# Help Guide


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Sony Internet TV

The world's first HDTV powered by Google TV.

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# What's New?

**This update provides some new functions.**

For more, read below...

## New Home screen

The Home screen is easier to use. You can customize the new Home screen, by arranging the Home menu, adding widgets to the Home screen, or changing the wall paper.
For more details, see Using the Home Menu.

## Android Market

Android Market will provide your favorite applications. You can purchase or download applications and instantly use them on your Internet TV.
For more details, see Using Android Market.

## TV & Movies

You can browse live and on-demand TV shows, and on-demand movies, by launching the TV & Movies application. Your Internet TV can access web video content from over 100 domains. When you select a TV or movie series, you can select an episode from the list.

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# Looking for Something?

**To find websites, press the SEARCH key, and then type into the Quick Search Box.**
**To find help information, type into the search box on this Help Guide.**

For more, read below...

If at anytime you want to use the search function, just press (SEARCH). Here you can search for anything from TV to movies and web content to audio. You can also search for help information in this Help Guide.

## To use Quick Search Box

Quick Search Box allows you to find interesting things to watch across multiple sources, such as websites, TV programs, and applications.
Press (SEARCH) to display the Quick Search Box, and then input keywords to begin your search.

## To organize the targets of a Quick Search

You can add applications as the targets of a Quick Search.
See Searchable items.

Note

- Not all applications are searched for by default.

## To search for help information

You can find help information through the Help Guide.
Move the pointer to the search box at the top of the Help Guide and click there. Then input keywords related to your questions into the search box.

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# To Customize the Home Menu

**Press the MENU button and select [Customize home items].**

For more, read below...

The Home menu can be customized to suit your preferences. You can change the menu items to be displayed or rearrange the order of menu items to make the menu easier to use.

### To replace applications

1. Press ☰ (MENU) when the Home screen is displayed.
2. Select [Customize home items].
3. Select the item you want to replace.
4. Select [Replace].
5. Select the item you want to add instead.
6. Select [done].

### To remove an item from the Home menu

1. Press ☰ (MENU) when the Home screen is displayed.
2. Select [Customize home items].
3. Select the item you want to remove.
4. Select [Remove from Home].
5. Select [done].

### To add items to the Home menu

1. Press ☰ (MENU) when the Home screen is displayed.
2. Select [Customize home items].

3. Select an empty slot where you want to add the new item.
4. Select the item you want to add.
5. Select [done].

Note

- If the Home menu has no empty slot, you cannot add a new item.

### To change the position of menu items

1. Press ☰ (MENU) when the Home screen is displayed.
2. Select [Customize home items].
3. Select the item you want to move.
4. Select [Move].
5. Press ←/→ to change the position.
6. Select [done].

### To add widgets to the Home screen

1. Press ☰ (MENU) when the Home screen is displayed.
2. Select [Customize home items].
3. Select [+ add widget].
4. Select the widget you want to add.
5. Select [done].

### To change the position of a widget

1. Press ☰ (MENU) when the Home screen is displayed.
2. Select [Customize home items].
3. Select the widget you want to move.
4. Press ↑/↓/←/→ to change the position.
5. Select [done].

### To remove a widget from Home screen

1. Press ☰ (MENU) when the Home screen is displayed.
2. Select [Customize home items].
3. Select the widget you want to remove.
4. Select [Remove from Home].
5. Select [done].

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# How to Use the Keypad

**To select an item, press the arrow buttons then ENTER, or slide on the OFS, then press down on the OFS.**
**To pair the Keypad, press CONNECT and hold down Fn + Enter.**

For more, read below...

Make a selection

Scroll, zoom in/out, drag

The Keypad allows you to control the Internet TV and any connected devices seamlessly. The OFS (Optical Finger Sensor) at the right top side of the Keypad allows you to move the pointer like a mouse.

### Operations on the Home or application menu screen

To select a menu item, press ↑/↓/←/→ to move the cursor to the item, and then press ENTER

(or Enter) to select or confirm the highlighted item.

### Operations on a web browser

To move the pointer, slide your thumb on the OFS (Optical Finger Sensor).
To click, press down the OFS.

### Shortcut operations

Holding Fn down and pressing a key with purple characters is a shortcut to the labeled function.
For details, see Keys and Buttons.

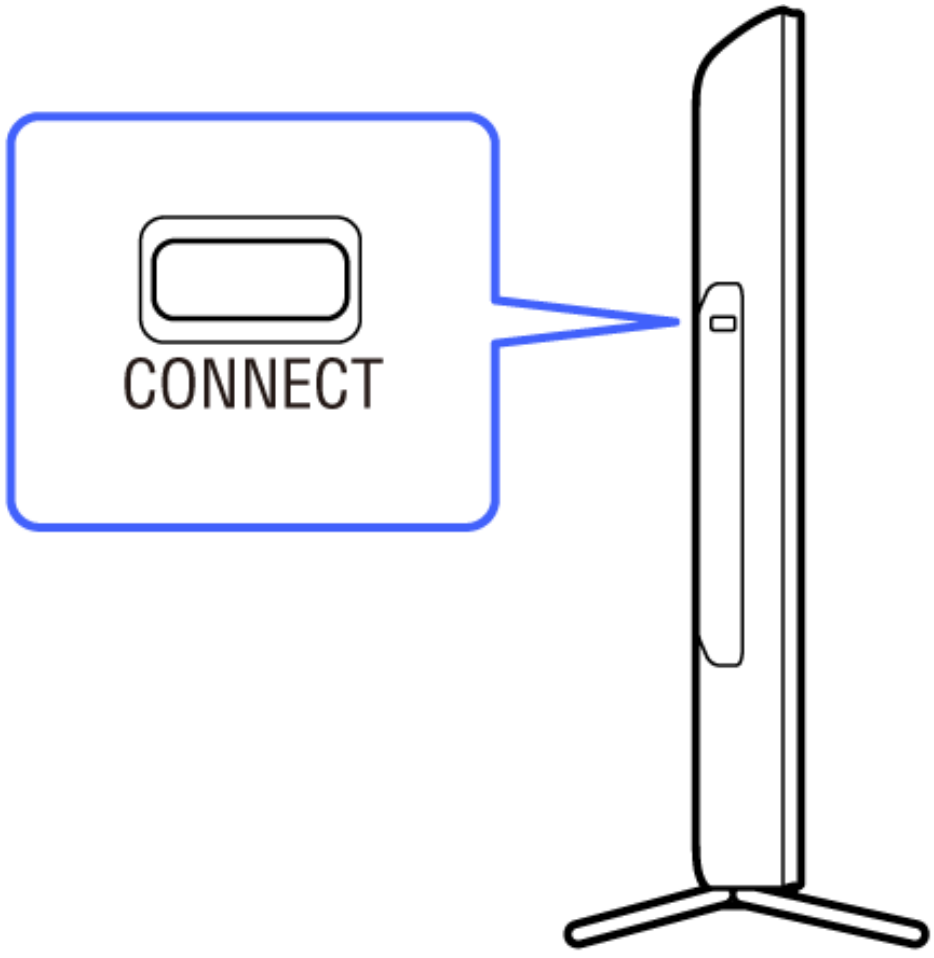
Tips

- To return to the previous screen on the Internet TV, press ⮌ (BACK). With some applications, you may not be able to use ⮌ (BACK) to return to the previous screen. In such case, hold down ⌂ (HOME) to display the Recent apps list then select another application.
- To return to the previous screen on the currently displayed device, press ESC.
- For more information on the location of keys or buttons, see Keys and Buttons.

### When the Keypad does not work

When the Keypad does not work correctly, follow the procedures below. First, confirm the batteries are inserted properly.

1. Press CONNECT on the Internet TV for more than two seconds to display the pairing screen.




2. Hold down Fn and Enter until the pairing screen disappears.
   The AMP indicator blinks fast twice when pairing starts, and blinks slowly twice when pairing

has been completed successfully. If pairing is not completed successfully, the AMP indicator blinks five times.

Note

- When the batteries inserted in the Keypad are low, the AMP indicator blinks quickly for two seconds and pairing will not work. Replace the old batteries with new batteries.

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# How to Use the Timer

**To set the ON Timer, [All Apps] - [Timer] - [Add Timer].**
**To set the Sleep Timer, [All Apps] - [Timer] - [Sleep Timer].**

For more, read below...

If you set the ON Timer, the Internet TV can be used like an alarm clock. And if you set the Sleep Timer, it prevents you from forgetting to turn the power off.

## To set the ON Timer

Press ⌂ (HOME) and select [All Apps] - [Timer] - [Add Timer], then set the timer.
To modify the timer setting, select the timer you want to modify and change its settings.
To delete a timer, select [Delete this timer] in the Timer Setting menu.

## To set the Sleep Timer

Press ⌂ (HOME) and select [All Apps] - [Timer] - [Sleep Timer], then select the desired amount of time for the power to remain on before turning off automatically.

Tip

- You can set the Timer from the Settings menu. Press Fn + 1 and select [TV settings] - [Timer].

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# To Display Another Application While Watching TV (PIP)

**Press the WINDOW button.**

For more, read below...

PIP (Picture-in-Picture) is a feature activated by a key that allows you to display the TV screen in a smaller window (sub window). For example, you can browse the Internet on the full screen, while watching a TV program in a sub window at the same time.

## To use PIP (Picture-in-Picture)

Press ⧉ (WINDOW) when the TV screen is displayed. When another application is displayed while the Live TV application is running, hold down ⧉ (WINDOW) and select [TV].
Press ⧉ (WINDOW) again to return the TV screen in the sub window to its full size.

## To change the sub window size

1. Hold down ⧉ (WINDOW) until the Picture-in-Picture menu appears.
2. Select [Increase size]/[Decrease size].

## To move the sub window

1. Hold down ⧉ (WINDOW) until the Picture-in-Picture menu appears.
2. Select [Move].
3. Press ↑/↓/←/→ to move the sub window.
4. Press ENTER.

Note

- You may not be able to use PIP (Picture-in-Picture) when a particular application is running. Close the application before using PIP (Picture-in-Picture).

Tip

- If you cancel PIP (Picture-in-Picture), you can increase the amount of memory available.

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# To Launch Applications from Recent Apps List

**Hold down the HOME button.**

For more, read below...

Running applications are displayed on the Recent apps list. You can select one from the list without displaying [All apps] in the Home menu.

Hold down ⌂ (HOME) and select the application by pressing ↑/↓ and ENTER.

Note

- Applications launched earlier may be removed from the Recent apps list depending on the memory available for the Internet TV.

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# To Control Other Devices

**Complete the AV Receiver setting, press AMP and use keys with orange dots.**

For more, read below...

You can control connected devices with the Keypad without using the remote control of each individual device.

## To control an AV Receiver

1. Confirm that the AV Receiver is connected properly, and the proper settings have been made for the AV Receiver (see Preparing to Control an AV Receiver).
2. Press AMP.
   The indicator lights up to indicate the Keypad is able to control the AV Receiver. The keys with orange dots can be used to control the AV Receiver.

## To control devices with an IR Blaster

1. Confirm that the device is connected properly and the IR Blaster is placed properly.
2. Press Fn + 1, and then select [Video input] - [Configured devices] - [Add device manually].
3. Follow the on-screen instructions to configure the settings.

Note

- If you cannot change channels on a cable/satellite box, press Fn + 1 and select an IR Blaster device from the list of configured devices in [Video input] - [Configured devices], then select [IR Blaster settings] - [Advanced settings] to adjust the settings.

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# Using the Home Menu

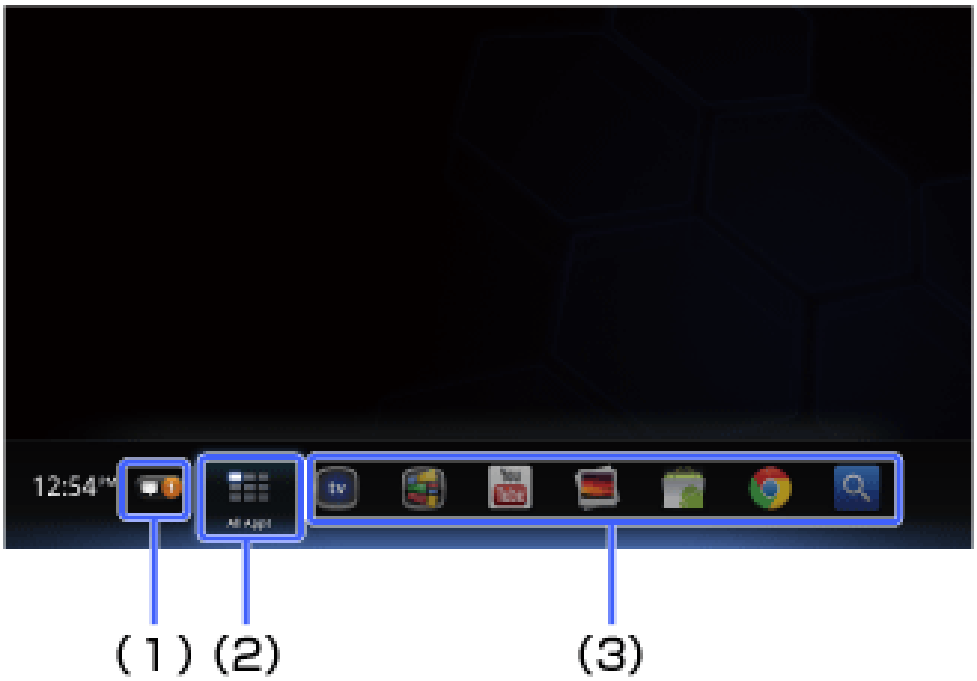
Changing the wallpaper

You can access various content or applications from the Home menu.

### To access the Home screen

Press ⌂ (HOME).

### About the Home screen




**(1)** Notifications
Press ENTER to display information about downloading applications, software updates, etc.

**(2)** All Apps
Press ENTER to display all applications. For details, see Accessing All Applications.

**(3)** Applications (shortcuts)
Select one to launch an application.

Tips

- You can add widgets to the Home screen. For details, see Adding Widgets.
- Applications displayed on the Home screen are shortcuts. You can add applications to or remove unused applications from the Home screen. If you want to display all applications, select [All Apps].

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## Changing the wallpaper

You can select a wallpaper pattern.

1. Press ☰ (MENU) when the Home screen is displayed.
2. Select [Home and All Apps settings] - [Wallpaper].
3. Select a wallpaper pattern.

[Live Wallpaper] changes the pictures displayed one after another, as time goes by.
[Photos] allows you to select any photo registered in the Photos application.

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# Adding widgets

Adding widgets on the Home screen allows you to check your favorite information at a glance, or use various services.

1. Press ☰ (MENU) when the Home screen is displayed.
2. Select [Customize home items].
3. Select [+ add widget].
4. Select the widget you want to add.
5. Select [done].

## To change the position of a widget

1. Press ☰ (MENU) when the Home screen is displayed.
2. Select [Customize home items].
3. Select the widget you want to move.
4. Press ↑/↓/←/→ to change the position.
5. Select [done].

## To remove a widget from Home screen

1. Press ☰ (MENU) when the Home screen is displayed.
2. Select [Customize home items].
3. Select the widget you want to remove.
4. Select [Remove from Home].
5. Select [done].

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# Accessing All Applications

Selecting the startup application

You can display all applications installed on your Internet TV by selecting [All Apps]. The All Apps list also contains bookmarks for websites.

Press ⌂ (HOME) and select [All Apps].

### To hide applications

You can hide unused applications from the All Apps list.

1. Press ☰ (MENU) when the All Apps list is displayed.
2. Select [Home and All Apps settings] - [Show/hide applications].
3. Remove the check from the box next to the application you want to hide.

Note

- You cannot uninstall applications in this procedure. If you want to uninstall applications, press Fn + 1 and select [Applications] - [Manage applications].

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## Selecting a startup application

If you register a startup application, that application launches when the Internet TV is turned on.

1. Press ☰ (MENU) when the All Apps list is displayed.
2. Select [Home and All Apps settings] - [Startup application].
3. Select an application.

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# Replacing/Moving Applications on the Home Screen

You can organize and personalize what you want to watch on the Home screen.

## To replace applications

1. Press ☰ (MENU) when the Home screen is displayed.
2. Select [Customize home items].
3. Select the item you want to replace.
4. Select [Replace].
5. Select the item you want to add instead.
6. Select [done].

## To move applications

1. Press ☰ (MENU) when the Home screen is displayed.
2. Select [Customize home items].
3. Select the item you want to move.
4. Select [Move].
5. Press ←/→ to change the position.
6. Select [done].

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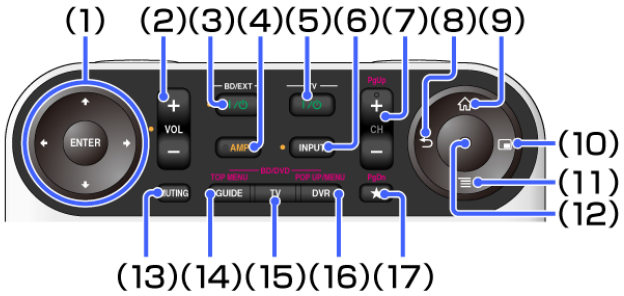
# Keys and Buttons

Device control area
Video control area
Keyboard area
Side area

## Device control area




**(1)** ↑/↓/←/→ (4-directions)/ENTER
Press ↑/↓/←/→ to select an item. Then press ENTER to confirm the highlighted item.

**(2)** VOL +/− (VOLUME)
Adjusts the volume.

**(3)** I / ⏻ (ON/STANDBY) (BD/EXT)
Turns on the connected device or sets to standby mode.

**(4)** AMP
Allows you to control the connected AV Receiver.
Keys with orange dots are active when the AMP indicator is on.
See Preparing to Control an AV Receiver.

**(5)** I / ⏻ (ON/STANDBY) (TV)
Turns on the TV.

**(6)** INPUT
Switches inputs of connected devices.

**(7)** CH +/−
Selects the next (+) or previous (−) channel. See Watching Live TV.
When CH is pressed with Fn, the page moves up or down.

**(8)** ⮌ (BACK)
Returns to the previous display or shuts down the application or the task.
⮌ (BACK) functions regardless of displayed content.

**(9)** ⌂ (HOME)
Displays the Home menu.
The Home menu is a gateway to various content. See Using the Home menu.

**(10)** ⧉ (WINDOW)
Switches the window style.
When ⧉ (WINDOW) is pressed, PIP (Picture-in-Picture) is activated. PIP (Picture-in-Picture)

displays the TV screen in a sub window, and the Home menu or other applications in the full screen. See To Display Another Application While Watching TV.

**(11)** ☰ (MENU)
Displays menu items according to applications.
Select the desired setting from the displayed menu items.
Some applications do not support ☰ (MENU).

**(12)** Optical Finger Sensor (OFS)
Allows you to control the pointer only with your thumb.
To operate the pointer, slide your thumb on the OFS.
To click, press down the OFS.

**(13)** MUTING
Silences the sound.

**(14)** GUIDE
Displays Rovi's On Screen Guide. See From TV program guide (GUIDE).
When GUIDE is pressed with Fn, the BD's or DVD's Top Menu is displayed.

**(15)** TV
Displays live TV. See Watching Live TV.

**(16)** DVR
Displays the DVR (Digital Video Recorder) menu.
When DVR is pressed with Fn, the BD-ROM's Pop-up Menu is displayed.

**(17)** ★ (BOOKMARK)
Bookmarks your favorite content.

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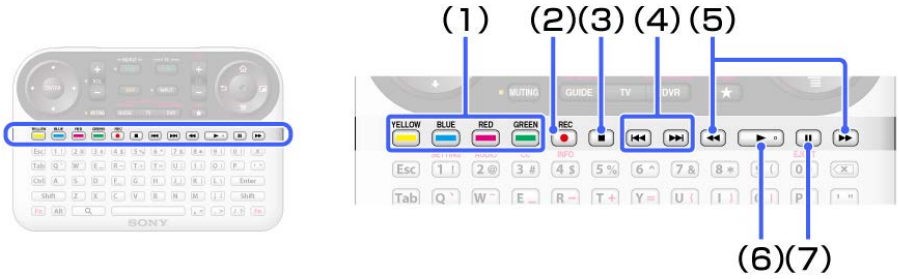
## Video control area




**(1)** Colored keys
Each key corresponds to the functions displayed on the screen.

**(2)** ● (REC)
Records programs into the Digital Video Recorder.

**(3)** ■ (STOP)
Stops playback.

**(4)** ⏮ / ⏭ (PREV/NEXT)
Skips to the previous/next chapter, track, or file.

**(5)** ◀◀ / ▶▶ (FR/FF)
Fast rewinds/fast forwards video or music.

**(6)** ▶ (PLAY)
Starts or re-starts playback.

**(7)** ❚❚ (PAUSE)
Pauses or re-starts playback.

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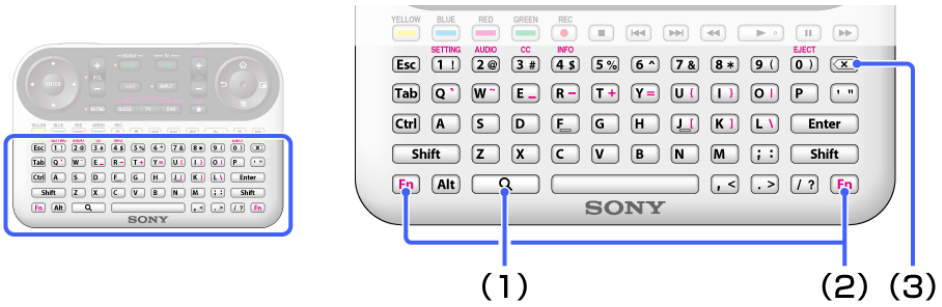
## Keyboard area




**(1)** 🔍 (SEARCH)
Displays the Quick Search Box.
Type your query in the Quick Search Box, and the Internet TV will suggest content from various media providers.

**(2)** Fn
Holding Fn down and pressing a key with purple characters is a shortcut to the labeled function.

| | |
|---|---|
| **Fn + CH +/−:** | Moves page up or down. |
| **Fn + GUIDE:** | Displays the BD's or DVD's Top Menu. |
| **Fn + DVR:** | Displays the BD-ROM's Pop-up Menu. |
| **Fn + 1:** | Displays the Settings application. |
| **Fn + 2:** | Switches the language track. |
| **Fn + 3:** | Turns closed captions on or off. |
| **Fn + 4:** | Displays the disc info. |

Note

- Shortcut keys are not available depending on the launching application.

**(3)** ⌫ (DELETE)
Deletes input characters.

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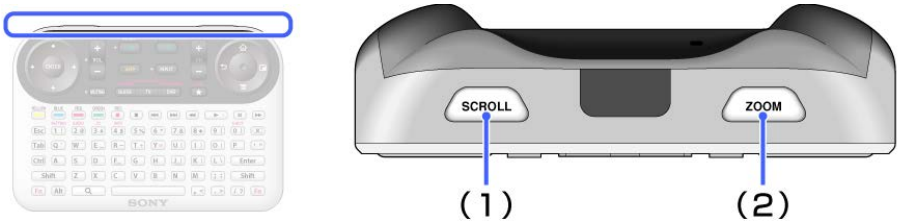
## Side area




**(1)** SCROLL
Scrolls a page or list.
Hold down SCROLL and slide your thumb up and down on the OFS.

**(2)** ZOOM
Zooms images.
Hold down ZOOM and slide your thumb up and down on the OFS.

### To drag & drop

Hold down SCROLL and ZOOM buttons then use the Optical Finger Sensor (OFS) to highlight a selected area or move a certain object on screen. Let go of the SCROLL and ZOOM buttons once you are satisfied with your selection or destination.

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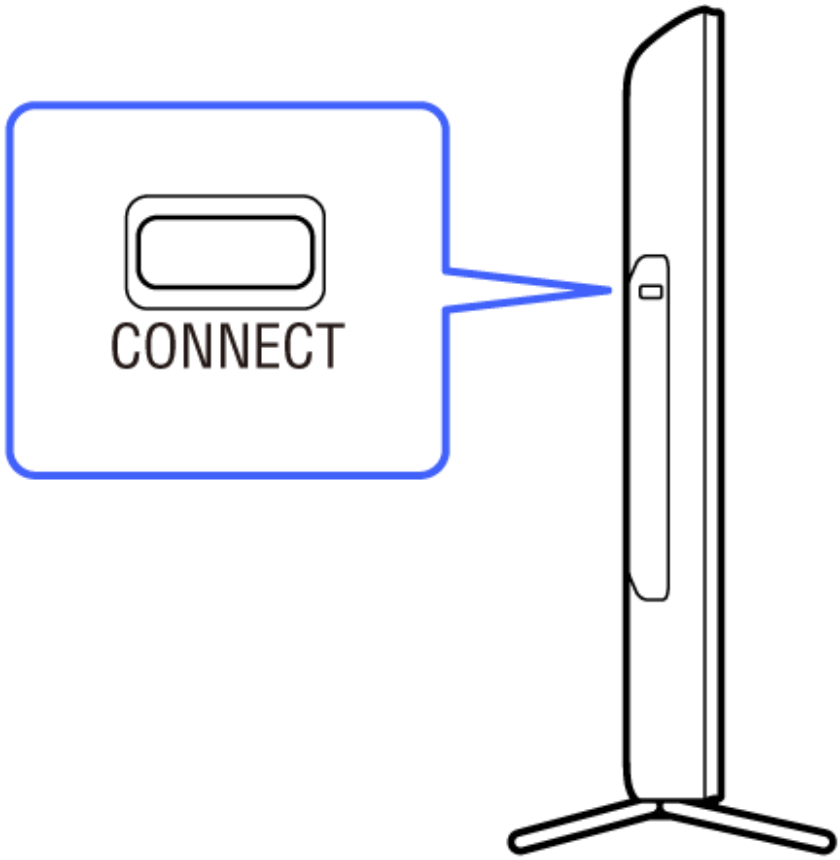
# Re-pairing

When the Keypad does not work correctly, follow the procedures below.

1. Press CONNECT on the TV for more than two seconds to display the pairing screen.




2. Hold down Fn and Enter until the pairing screen disappears.

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# Searching Internet TV Content and Apps

Pressing (SEARCH) allows you to search the Internet, TV programs, downloaded content, and applications for your interest thing.

1. Press (SEARCH) to display the Quick Search Box.
2. Input your query into the Quick Search Box.
   Suggestions are displayed.
3. Select your interest from suggestions.

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# Pre-installed Applications

Selecting the startup application

| | |
|---|---|
| **Clock:** | Display the current time. You can also set the alarm. |
| **Downloads:** | Use the download manager to display or manage Internet content downloads. For details, see Using Download Files. |
| **Google Chrome:** | Browse Internet websites. For details, see Browsing Internet Content. |
| **Help Guide:** | Launch this Help Guide. |
| **Live TV:** | Watch TV programs broadcast by registered TV providers. For details, see Watching Live TV. |
| **Market:** | Download or purchase new applications. For details, see Using Android Market. |
| **Media Player:** | Play back audio/video/image files. For details, see Playing Files on USB Devices/Servers. |
| **Netflix:** | Watch TV shows and movies online or by streaming them from Netflix. |
| **Photos:** | Browse photos on a photo sharing website, such as Picasa or Flickr. You can also browse photos in the connected USB devices. |
| **Podcast:** | Play back and manage podcasts. For details, see Using Podcast. |
| **Search:** | Make searches. For details, see Searching Internet TV Content and Apps. |
| **Settings:** | Change various settings for your Internet TV. |
| **Sony Entertainment Network:** | Enjoy the newest movies from major studio, or millions of songs. For details, see Playing Internet Content. |
| **Sony Recommends:** | Enjoy online video recommended by Sony. |
| **Spotlight:** | View websites that have been optimized for Google TV. |
| **Timer:** | Set the timer. For details, see How to Use the Timer. |
| **Track ID:** | Search for music that is being played on the TV program you are currently watching, website or other media, and display information on the artist or albums. You can bookmark this information. |
| **TV & Movies:** | Watch streaming videos. |

| | |
|---|---|
| **YouTube:** | Use the YouTube video-sharing website. |

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## Selecting a startup application

If you register a startup application, that application launches when your Internet TV is turned on.

1. Press ☰ (MENU) when the All Apps list is displayed.
2. Select [Home and All Apps settings] - [Startup application].
3. Select an application.

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# Using Android Market

You can purchase or download your favorite applications from Android Market. These applications are instantly available on your Internet TV.

Press ⌂ (HOME) and select [Market]. Select an application and follow the on-screen instructions.

### To use applications downloaded from Android Market

Applications purchased or downloaded are stored in the All Apps list.

1. Press ⌂ (HOME).
2. Select [All Apps].
3. Select the downloaded application.

### To check the progress of a download

Select on the Home screen.

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# Browsing Internet Content

Internet TV uses Google Chrome as its web browser. You can access all of your favorite websites with the Google Chrome web browser.

1. Press ⌂ (HOME).
2. Select [Google Chrome] to launch Google Chrome.

## Tips

- Pressing ☰ (MENU) provides multiple functions for browsing.
- You can also access websites using the Quick Search Box. Press 🔍 (SEARCH) and Input a URL or your query into the Quick Search Box. When suggestions are listed, select one which displays [Go to website].

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# Bookmarking Your Favorite Websites

You can save links to your favorite websites as Bookmarks without having to remember any URLs.

## To save a bookmark

1. Press (MENU) while browsing a website.
2. Select [Save].
3. Select [Add to bookmarks].

Tip

- If you select [Add to home screen] in step 3, the bookmark is added to the All Apps list.

## To Access bookmarks

1. Press (MENU) while browsing a website.
2. Select [Bookmarks].
3. Select a bookmark.

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# Sharing Websites

Your favorite websites can be shared using social networking services (SNS), such as Facebook and Twitter.

1. Press ☰ (MENU) while browsing a website.
2. Select [Share page].

Note

- An SNS account and the required application for the SNS are needed to use this function.

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# Using Downloaded Files

Files, such as photos, music, and movies, can be downloaded from websites and stored in the Download application.

## To access downloaded files

1. Press ⌂ (HOME).
2. Select [All Apps] - [Download].

## To delete downloaded files

1. Press ⌂ (HOME).
2. Select [All Apps] - [Download].
3. Hold down ENTER to check the box next to the name of the file you want to delete.
4. Press ☰ (MENU).
5. Select [Delete].

**Notes**

- To open downloaded files, applications that support these files are required.
- If you want to use an Android application downloaded from websites other than Android Market, press Fn + 1 and select [Applications]. Then check the box next to [Unknown sources].

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# Using Podcasts

The Podcast application allows you to search for video and audio podcasts, subscribe to your favorite podcasts, and manage subscriptions.

1. Press ⌂ (HOME).
2. Select [All Apps] - [Podcasts].

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# Watching Live TV

From TV key
From TV program guide (GUIDE)
From Home menu

## From TV key

Press TV to display the last channel of the device set as default tuner.
See To select the device to launch using the TV key on setting a device as default.

| | |
|---|---|
| **CH +/−** | Press CH +/− to change the channel. |
| **10-key and . key** | Press 0-9 and . to select a channel. Press ENTER, and channels will change immediately. |

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## From TV program guide (GUIDE)

Press GUIDE to access the TV program guide.
When you use the built-in tuner, Rovi's On Screen Guide appears. For details, see Using Rovi's On Screen Guide.

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## From Home menu

1. Press ⌂ (HOME).
2. Select either Live TV or TV & Movie.
3. Select a channel.

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# Using Rovi's On Screen Guide

Rovi's On Screen Guide Display
Using the My TV Feature

Rovi's On Screen Guide provides up to 24 hours of program information and customizes the program listings to your preference. With this feature, you can search for programs by categories and keywords as well as customize your favorite channels or favorite keywords.

Tips

- To change the information source for program information (to [Broadcaster] or to [Rovi Guide]), press Fn + 1 and select [Video input] - [Built-in tuner settings] - [Channels] - [Program information source] then select the desired setting.
- When [Broadcaster] is selected as the source for program information, the Internet TV will not display a program guide, but each individual program will have program information shown on-screen when the channel is tuned.

Notes

- Rovi's On Screen Guide is available with a connection to your cable service or with an over-the-air antenna signal.
- You must connect your signal source directly to the Internet TV's CABLE/ANTENNA input without using a cable box.
- DAM (Download Acquisition Mode) is used for software updates and/or collecting data for Rovi's On Screen Guide. When DAM is activated, power consumption may increase.

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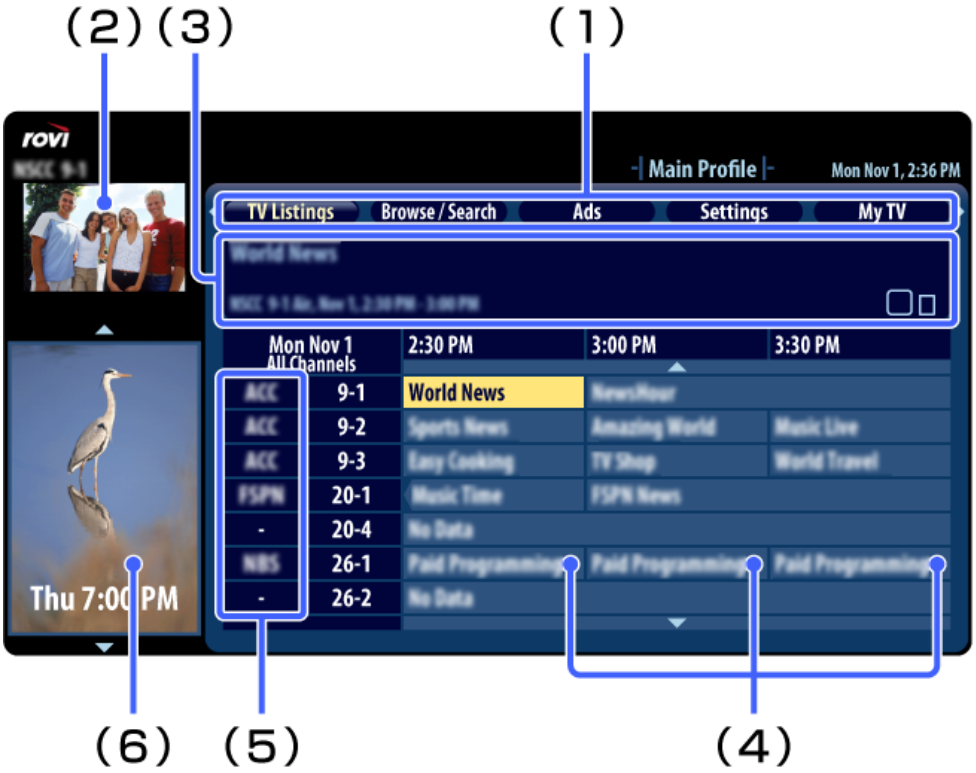
## Rovi's On Screen Guide Display




**(1)** Rovi's On Screen Guide Menu Area
Select from the following features:

| | |
|---|---|
| **TV Listings:** | Up to 24 hours of program listings are available. You can also organize the program listings by categories. |
| **Browse/Search:** | Search for programs by browsing through categories or by entering a keyword or title. |
| **Ads:** | Provides advertisements from Rovi's On Screen Guide sponsors. |
| **Settings:** | Adjust the settings for Rovi's On Screen Guide. |
| **My TV:** | Allows you to organize program listings and see what matter most to you. |

**(2)** Video Preview Window
Displays the currently viewing program before entering the guide. You can also set this to preview a program that is selected within the Rovi's On Screen Guide listings.

**(3)** Information Box
Shows detailed program information.

**(4)** Listing Grid
Select a program to watch, or obtain program information.

**(5)** Channel Logo
Displays the broadcaster's channel logo.

**(6)** Ad Panels
Provides advertisements from Rovi's On Screen Guide sponsors.

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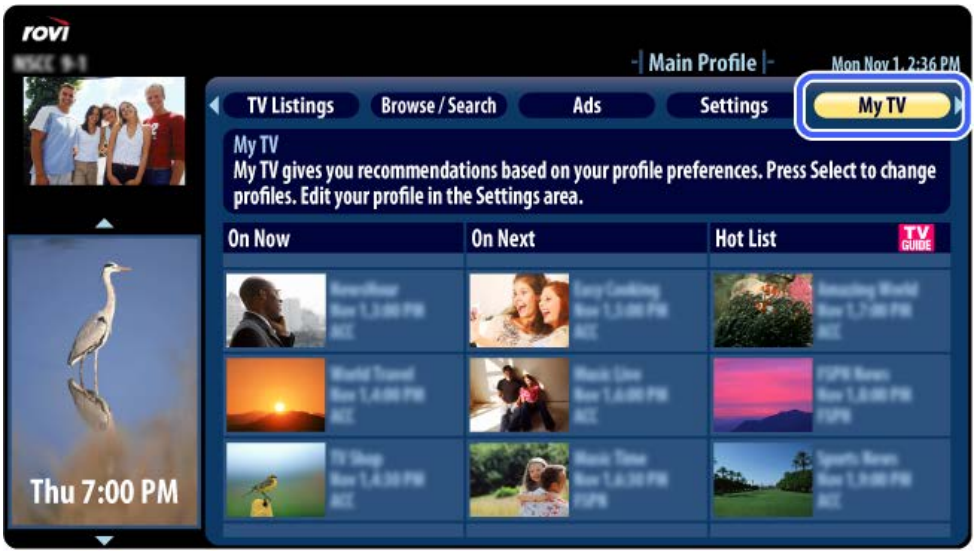
## Using the My TV Feature

The "My TV" feature allows you to organize the program listings by profiles such as Movie, Sport, or Kids. You can also create and customize your own profile to organize your favorite programs, channels, or keywords.




- Select [My TV] from the menu area to launch the "My TV" screen.
- Channels you add as favorites within the profile set up will automatically appear in the "My TV" section under "My Favorites."

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# Using Favorite Channels

You can register your favorite channels without having to remember channel numbers.

## To add a channel to favorites

1. Press ★ (BOOKMARK) while watching a TV program.
2. Select [Add channel to favorites].
3. Select the channel you want to add from the channel list.

Tip

- You can also add a favorite channel by pressing ☰ (MENU) and selecting [Save] - [Add channel to favorites] - the desired channel.

## To view a favorite channel

1. Press ★ (BOOKMARK) while watching a TV program.
2. Select [View favorite channels].
3. Select the channel you want to watch from the favorite channels list.

Tip

- You can also view a favorite channel by pressing ☰ (MENU) and selecting [View favorite channels] - the desired channel or by pressing ☰ (MENU) and selecting [Save] - [Favorite channels] - [View favorite channels] - the desired channel.

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# Using PIP (Picture-in-Picture)

PIP (Picture-in-Picture) is a feature activated by a key that allows you to display the TV screen in a smaller window (sub window). For example, you can browse the Internet on the full screen, while watching a TV program in a sub window at the same time.

## To use PIP (Picture-in-Picture)

Press ⧉ (WINDOW) when the TV screen is displayed. When another application is displayed while the Live TV application is running, hold down ⧉ (WINDOW) and select [TV].
Press ⧉ (WINDOW) again to return the TV screen in the sub window to its full size.

## To change the sub window size

1. Hold down ⧉ (WINDOW) until the Picture-in-Picture menu appears.
2. Select [Increase size]/[Decrease size].

## To move the sub window

1. Hold down ⧉ (WINDOW) until the Picture-in-Picture menu appears.
2. Select [Move].
3. Press ↑/↓/←/→ to move the sub window.
4. Press ENTER.

Note

- You may not be able to use PIP (Picture-in-Picture) when a particular application is running. Close the application before using PIP (Picture-in-Picture).

Tip

- If you cancel PIP (Picture-in-Picture), you can increase the amount of memory available.

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# Changing Input

Press INPUT to display the Input list, then select a device or input. The Input list includes the following:

— devices set in Configured devices
— inputs (label of the connected device when set in Configured devices)

After selecting the device, you can control the device with the Keypad.

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# Switching Audio

Press Fn + 2 repeatedly to switch the audio track.
When digital channels are available, you can change the alternate audio settings. When only analog channels are available, you can change the MTS settings.
You can also switch the audio track in the Settings menu. Press Fn + 1 and select [Picture & sound] - [Alternate audio], then select an audio track.

Note

- The Alternate audio setting is available only when you are watching a digital channel with an alternate audio stream.

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# Switching Closed Caption

Press Fn + 3 repeatedly to switch the closed captions.
You can change further settings in the Settings menu. Press Fn + 1 and select [TV settings] - [Closed Captions (CC)], then change the settings.

Tip

- For details, see Closed Captions (CC).

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# Setting Wide Mode

Press ☰ (MENU) and select [Advanced options] - [Wide mode], then select the desired setting.
The Wide Mode setting allows you to select a screen format to better fit the content you are viewing. Based on the original signal source, a black frame or black bars may surround the picture.
You can also change the wide mode in the Settings menu. Press Fn + 1 and select [Picture & sound] - [Screen adjustments] - [Wide mode].

Tip

- For details, see Screen adjustments.

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# Registering Channels (Auto Program)

Press Fn + 1 and select [Video input] - [Built-in tuner settings] - [Channels] - [Auto program]. All available channels are automatically searched for and stored in the TV. You can run "Auto program" after moving to a new residence, changing service providers, or to search for newly launched channels.

Note

- The Auto program function is applied to the source of the built-in tuner.

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# Adding Digital Channels

Press Fn + 1 and select [Video input] - [Built-in tuner settings] - [Channels] - [Add digital channels].
Available digital channels are automatically searched for and stored in the TV.

Notes

- The Add digital channels function is applied to the source of the built-in tuner.
- This function only adds digital channels and does not delete or replace the existing channels.

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# Setting Parental Lock

Press Fn + 1 and select [Privacy & safety] - [Parental lock], then change the settings.
You can set an age restriction for viewing or block specific channels from viewing.

Tip

- For details, see Parental lock.

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# Playing Files on USB Devices/Servers

1. For files on a USB device: Insert a USB storage device containing files into the USB jack.
   For files on a server: Connect the Internet TV to the DLNA Certified Media Server via a home network.
2. Press ⌂ (HOME) and select [All Apps] - [Media Player].
3. Press ≡ (MENU) and select [Select device].
4. Select a USB device/server.
5. Select a file from the file list and press ENTER.

## Keys available during playback

| | |
|---|---|
| ▶ (PLAY): | Starts or re-starts playback (video/music playback). Starts Slideshow or starts moving a panoramic photo (photo playback). |
| ❚❚ (PAUSE): | Pauses or re-starts playback (video/music playback) /Slideshow (photo playback). Pauses or re-starts movement of a panoramic photo (photo playback). |
| ■ (STOP): | Stops playback and returns to the file list (video/music playback). Stops Slideshow or Image viewer, and returns to the file list (photo playback). |
| ◀◀ / ▶▶ (FR/FF): | Fast rewinds/Fast forwards the title/track. The search speed changes each time you press the button during playback. |
| ⏮ / ⏭ (PREV/NEXT): | Skips to the previous/next title (video playback)/track (music playback)/file (photo playback). |
| INFO (Fn + 4): | Displays video/photo information (video/photo playback). Press INFO again to cancel the display. |

Notes

- The following photos cannot be displayed.
  - Photos with a file size of over 32 MB
  - Photos with under 16 pixels for height or width
  - Photos with over a 50:1 or 1:50 horizontal to vertical ratio
  - Photos (JPEG files) with more than 16384 pixels for height or width
  - Photos (GIF files) with a file size of greater than 4096 × 4096 pixels
  - Photos (PNG files) with a file size of greater than 7000 × 7000 pixels
  - Photos (BMP files) with a file size of greater than 8192 × 8192 pixels
- The Internet TV can recognize Mass Storage Class devices (such as flash memory or HDD) that are FAT-compatible.
- Some USB devices may not work with this Internet TV. See the USB storage devices

compatibility list.

— NSX-24GT1
— NSX-32GT1
— NSX-40GT1
— NSX-46GT1

- Connection via a USB-hub is not supported.
- USB devices must be less than 2TB.
- When playing a WMV file, you cannot perform the following operations.
  - — Fast rewind/Fast forward
  - — Resume
  - — Skip using the progress bar

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# Playing Internet Content (Sony Recommends)

Sony Recommends serves as a gateway to Internet content, delivering a variety of on-demand entertainment straight to your Internet TV. By making a broadband Internet connection, you can enjoy Internet content.

1. Press ⌂ (HOME) and select [All Apps] - [Sony Recommends].
2. Select a content provider.
3. Select an item.
   Information about the selected item appears in the information banner.

Notes

- Picture/sound quality may be poor depending on Internet content providers.
- Picture/sound quality may be improved by changing the connection speed. The recommended connection speed is at least 2.5 Mbps for standard definition video (10 Mbps for high definition video).
- Not all videos contain sound.
- The interface to Internet content depends on the Internet content providers.
- Services block video content based on the “Parental Lock” setting. Some service providers do not support this function.

## To control playback

Click the playback control icons on the bottom left of the screen. (This feature depends on the Internet content services.) The color keys on the Keypad correspond to the color buttons displayed at the bottom of the screen.

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# Controlling Playback Using the Menu

Various settings and playback operations are available by pressing ☰ (MENU) during playback. The available items differ depending on the situation.

## Repeat Setting

Set the repeat playback mode.

| | |
|---|---|
| **Off:** | Cancels the repeat playback. (Default) |
| **Title:** | Repeats the current file (video playback). |
| **Track:** | Repeats the current file (music playback). |
| **Folder:** | Repeats all the video/music files in the folder (video/music playback), or repeats slideshow (photo playback). |

## Shuffle Setting (music playback)

Select [On] to playback all the music files in the folder on shuffle.

## Zoom In/Zoom Out (photo playback)

You can zoom in/out photo files.
To move the display area of a photo while zooming in or out on it, hold down SCROLL and ZOOM, then use the OFS (Optical Finger Sensor).

## Rotate Left/Rotate Right (photo playback)

You can rotate photo files counterclockwise (Left) or clockwise (Right) by 90 degrees.

## Play Slideshow/Pause Slideshow (photo playback)

You can start (Play Slideshow) or pause (Pause Slideshow) a slideshow.

## Information (video/photo playback)

You can display or hide the detailed information on the photo.

## Display Size (video/photo playback)

Set the display method when the video/photo file resolution differs from the screen resolution.

| | |
|---|---|
| **Normal:** | Zooms the image to fit the screen without cropping. When an image size is smaller than the screen size, the image is displayed at its the original size. |
| **Full:** | Zooms the image to fit the screen without cropping. (Default) |
| **Expanded:** | Zooms the image to fill the screen. The edge of |

the image is cropped if the image aspect ratio differs from screen aspect ratio.

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# Setting Parental Lock

Press Fn + 1 and select [Privacy & safety] - [Parental lock] - [Rating] - the desired setting.
Services block video content based on the Parental lock setting of the TV. Some service providers do not support this function.

Tip

- For details, see Parental lock.

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# Playable Files

| | |
|---|---|
| **Supported video file formats:** | MP4/WMV (.asf, .wmv)(*1)/H.264 AVC |
| **Supported music file formats:** | MP3/AAC/WMA/WAV |
| **Supported photo file formats:** | JPEG/PNG/GIF/BMP/MPO (*2) |

**(*1):** Only WMV9-full and WMV9-base are supported.
**(*2):** Only files shot with a Sony digital camera are supported.

Notes

- Other files (e.g. MPEG/M2TS/AVI files) are not supported, but you may be able to play them back.
- Types of files playable are subject to change without notice.

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# Connecting Devices

The connection method varies depending on the type of AV Receiver. Select the appropriate method from the following.

### Standard connection

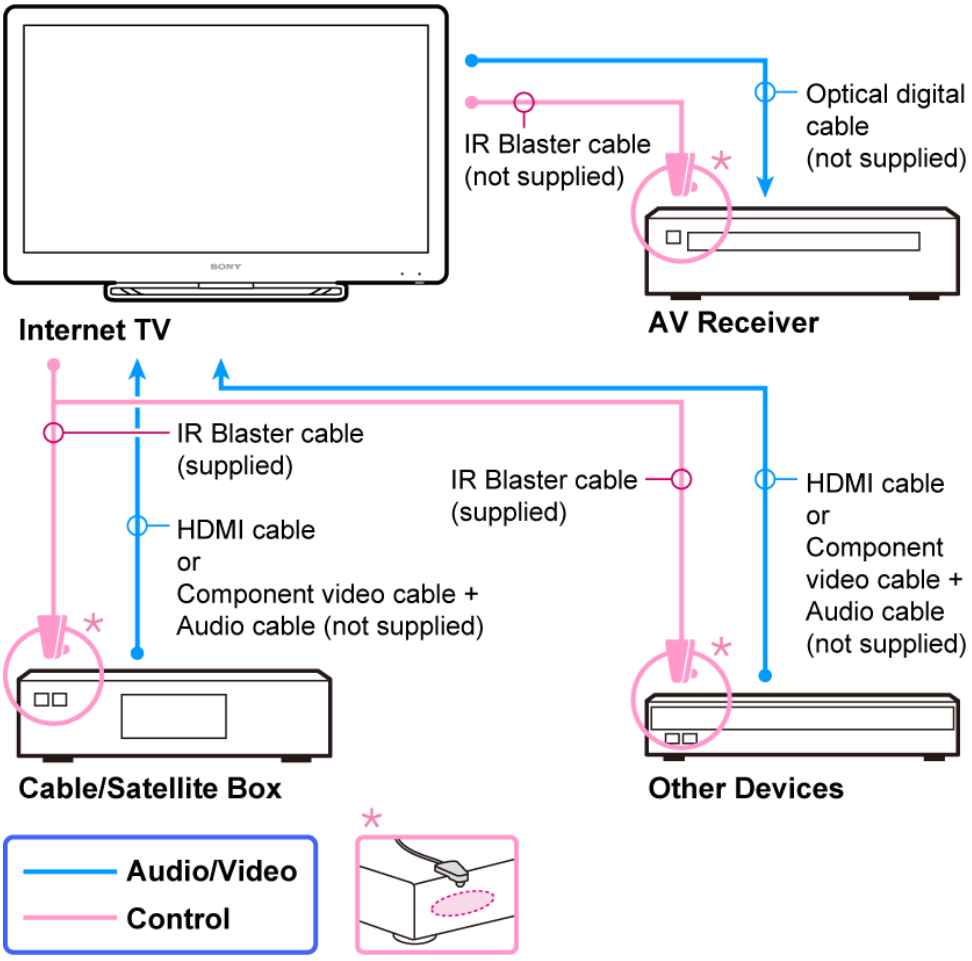
- Method 1: Connecting an AV Receiver without HDMI jacks
- Method 2: Connecting the TV to an AV Receiver with an HDMI cable only

### Advanced connection

- Method 3: Connecting other devices to an AV Receiver (Control for HDMI and Audio Return Channel are not supported)
- Method 4: Connecting other devices to an AV Receiver (Control for HDMI and Audio Return Channel are supported)

For more information, go to Sony Connection Guide.

## Method 1: Connecting an AV Receiver without HDMI jacks




Use the IR Blaster cable when you want to control connected devices with the Keypad. You can control up to three devices by using the IR Blaster cable.

Use the supplied IR Blaster cable for two of three devices. For the other device, VM-50 is available. For details, see the VM-50 website.
When you connect a Cable/Satellite Box or other devices with HDMI cables, IR Blaster cables are not required if the connected devices are compatible with Control for HDMI.

Tip

- See related links:
  - IR Blaster Settings (Preparing to Control an AV Receiver)
  - IR Blaster Settings (Preparing to Control Other Devices)
  - HDMI settings

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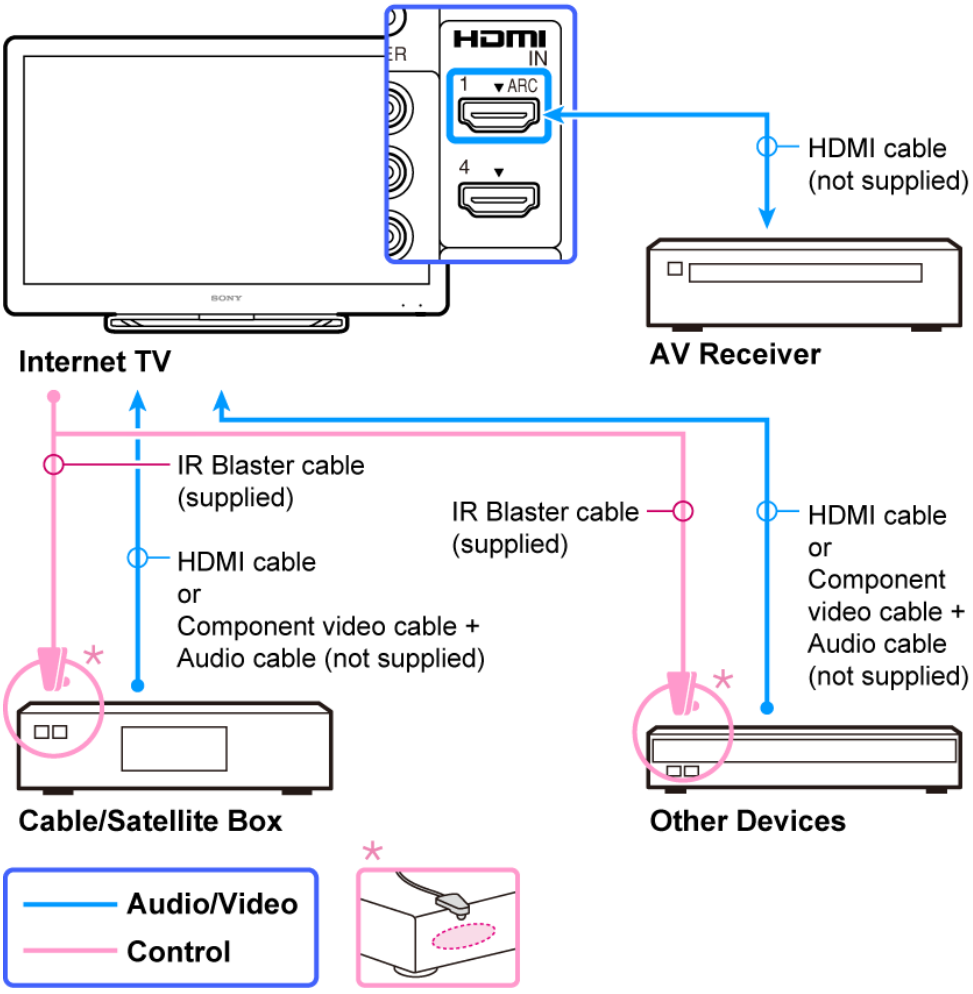
## Method 2: Connecting the TV to an AV Receiver with an HDMI cable only




When an AV Receiver supports Control for HDMI, you can control the AV Receiver with the Keypad via an HDMI connection.
When an AV Receiver supports Audio Return Channel (ARC), you must connect the TV and the AV Receiver with an HDMI cable to enable the TV to send audio signals. You do not need an optical digital cable. In this case, connect the HDMI cable to the HDMI IN 1 jack on the TV.
To control devices other than the AV Receiver, use the IR Blaster cable.
When you connect a Cable/Satellite Box or other devices with HDMI cables, IR Blaster cables are not required if connected devices are compatible with Control for HDMI.

Tip

- See related links:
  - IR Blaster Settings (Preparing to Control Other Devices)
  - HDMI settings

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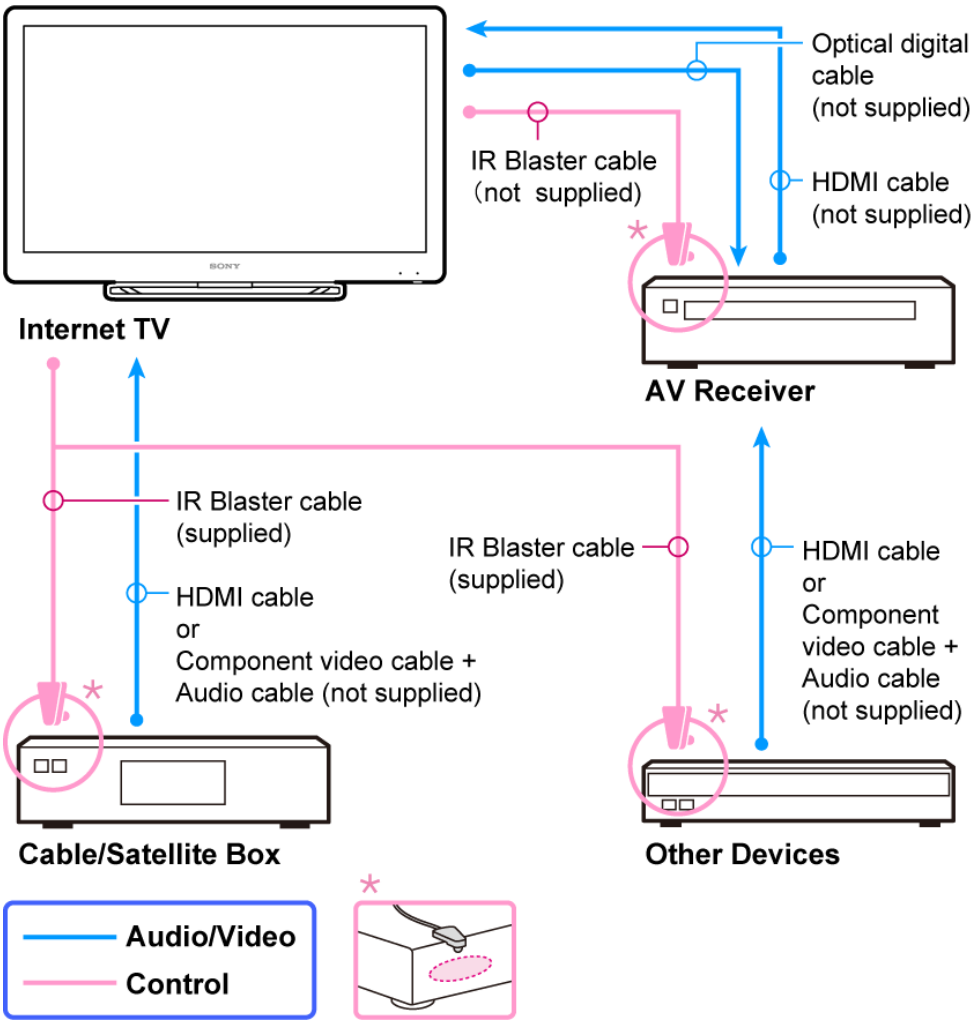
## Method 3: Connecting other devices to an AV Receiver (Control for HDMI and Audio Return Channel are not supported)


Optical digital cable (not supplied)
IR Blaster cable (not supplied)
HDMI cable (not supplied)
Internet TV
AV Receiver
IR Blaster cable (supplied)
HDMI cable or Component video cable + Audio cable (not supplied)
IR Blaster cable (supplied)
HDMI cable or Component video cable + Audio cable (not supplied)
Cable/Satellite Box
Other Devices
Audio/Video
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Use the IR Blaster cable to control connected devices with the Keypad.
When you connect a Cable/Satellite Box with an HDMI cable, IR Blaster cables are not required if the Cable/Satellite Box is compatible with Control for HDMI.

Tip

- See related links:
  - IR Blaster Settings (Preparing to Control an AV Receiver)
  - IR Blaster Settings (Preparing to Control Other Devices)
  - HDMI settings

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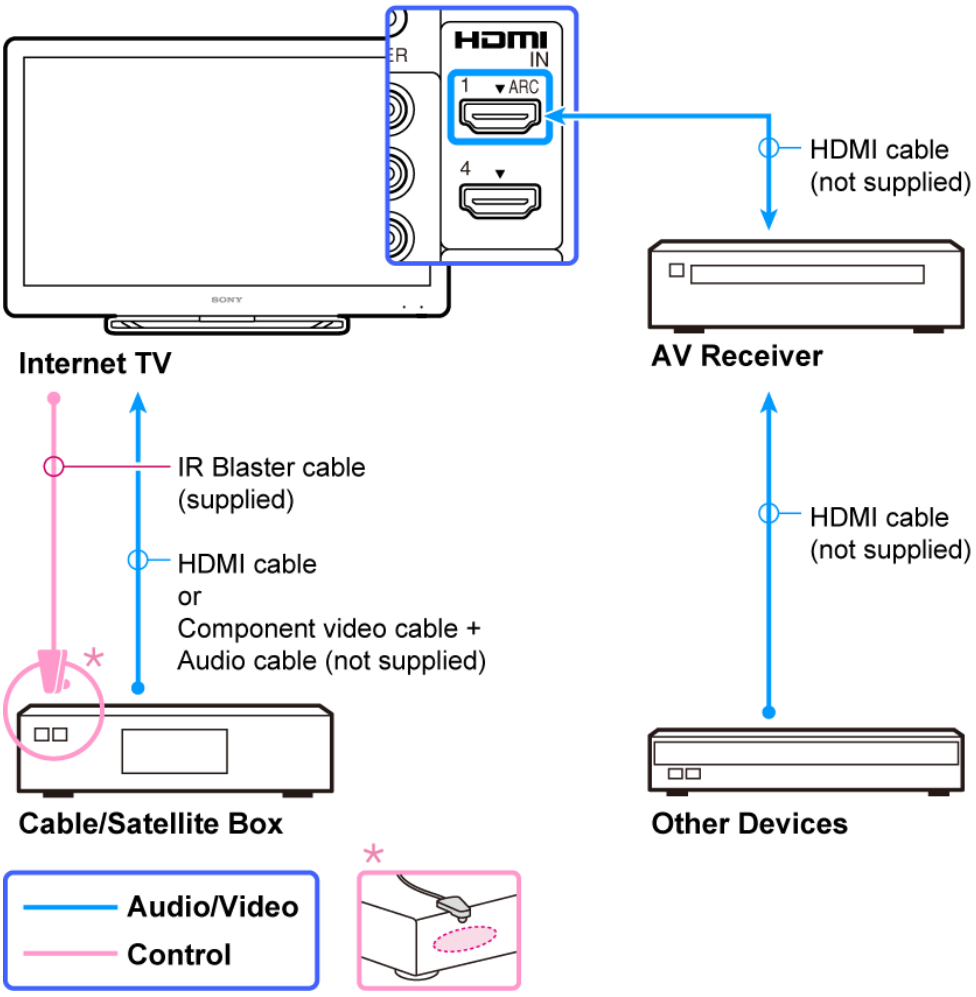
## Method 4: Connecting other devices to an AV Receiver (Control for HDMI and Audio Return Channel are supported)




When an AV Receiver and other devices support Control for HDMI, you can control them with the Keypad via an HDMI connection.
When an AV Receiver supports Audio Return Channel (ARC), you must connect the TV and the AV Receiver with an HDMI cable to enable the TV to send audio signals. You do not need an optical digital cable. In this case, connect the HDMI cable to the HDMI IN 1 jack on the TV.
To control devices other than the AV Receiver, use the IR Blaster cable.
When you connect a Cable/Satellite Box with HDMI cables, IR Blaster cables are not required if the Cable/Satellite Box is compatible with Control for HDMI.

Tip

- See related links:
  - IR Blaster Settings (Preparing to Control Other Devices)
  - HDMI settings

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# Preparing to Control an AV Receiver

If an AV Receiver is compatible with Control for HDMI
If an AV Receiver is not compatible with Control for HDMI

If an AV Receiver is connected to the TV and AV Receiver Setup is completed in the Initial Setup, you can control the AV Receiver using the Keypad.
To control the AV Receiver, press AMP to light up the AMP indicator and activate AV Receiver control. Point the Keypad to the TV, and use the following keys (keys with orange dots):

— I / ⏻ (BD/EXT): turns on/off the AV Receiver
— INPUT: changes the input of the AV Receiver
— VOL: changes the volume up (+) or down (−) of the AV Receiver
— MUTING: silences the volume of the AV Receiver

Note

- The AMP indicator turns off after 30 seconds, or if you press AMP while the AMP indicator is on. This ends control of the AV Receiver.

Tip

- Press Fn + AMP, the AMP indicator turns on for two seconds. This allows you to continuously control the AV Receiver using I / ⏻ (ON/STANDBY) /INPUT/VOL. To return to normal control, press Fn + AMP until the AMP indicator blinks four times.

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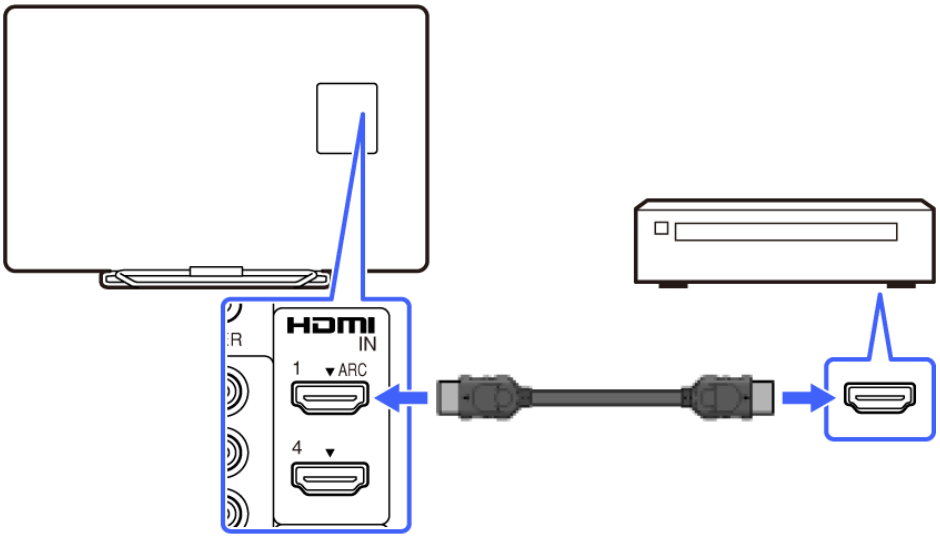
## If an AV Receiver is compatible with Control for HDMI

In addition to the above controls, you can turn on/off the AV Receiver simultaneously with the TV using the Keypad. However, the Control for HDMI function may not be available with some AV Receivers. In such case, you need to connect an IR Blaster.

1. Connect the TV to the AV Receiver with HDMI connections.




2. Press Fn + 1 and select [Video input] - [HDMI settings].
3. Select [Control for HDMI] - [On].

### To turn the AV Receiver off when turning off the TV

Select [Device auto power off] in step 3.

### To turn the TV on when turning the AV Receiver on

Select [TV auto power on] in step 3.

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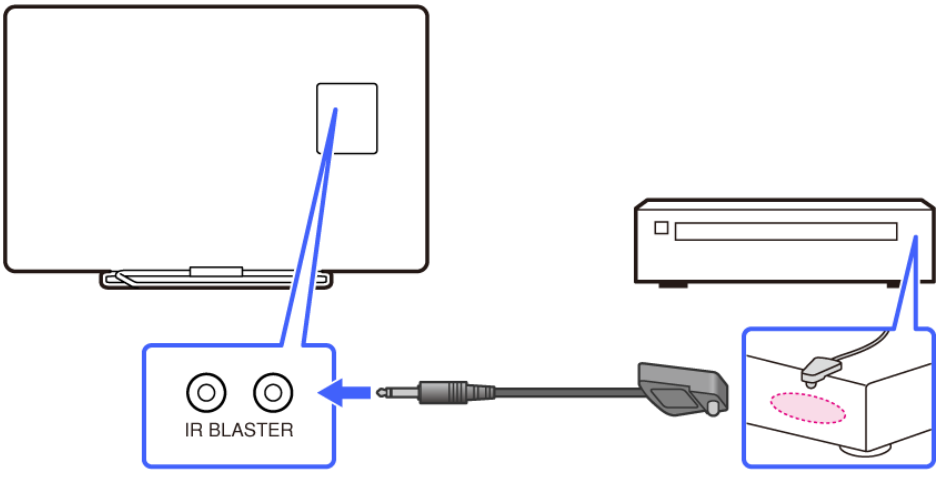
## If an AV Receiver is not compatible with Control for HDMI

1. Connect an IR Blaster to the TV and place it properly on the AV Receiver.




2. Press Fn + 1 and select [AV Receiver].
3. Check the box next to [Control with IR Blaster].
4. Select the manufacturer of the AV Receiver, then set the IR Blaster code for the AV Receiver.

### To verify the IR Blaster code

Select [IR Blaster test] in the AV Receiver setting.

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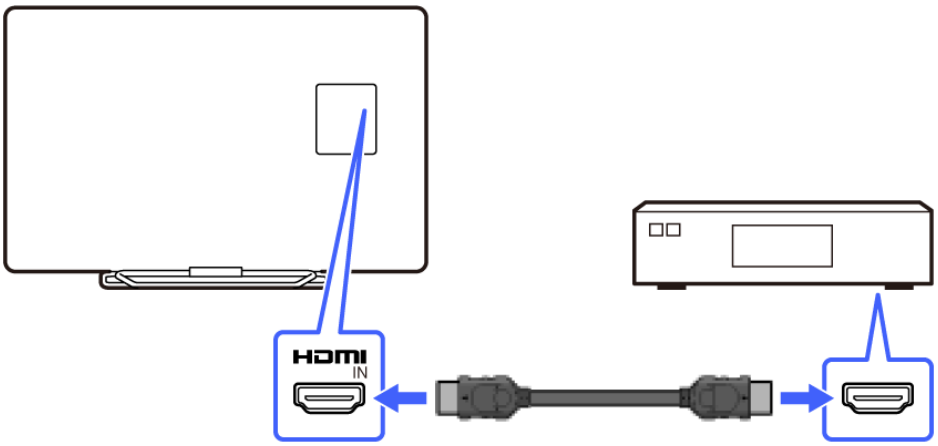
# Preparing to Control Other Devices (cable/satellite box, DVD player, or tuner)

▶ If the device is not compatible with Control for HDMI

If the cable/satellite box is compatible with Control for HDMI, you can control the cable/satellite box using the Keypad. The following applies to other HDMI devices as well.

1. Connect the TV to the cable/satellite box with an HDMI cable.




2. Press Fn + 1 and select [Video input] - [HDMI settings].
3. Select [Control for HDMI] - [On].

### To turn the cable/satellite box off when turning off the TV

Select [Device auto power off] in step 3.

### To turn the TV on when turning the cable/satellite box on

Select [TV auto power on] in step 3.

### To change the input to cable/satellite box whenever either TV, GUIDE, DVR is pressed

The input changes when those keys are pressed, only when you are not watching TV.

1. Press Fn + 1 and select [Video input].
2. Select [Configured devices].
3. Select the cable/satellite box from the "Configured devices" list then select [Make default TV device].

### To control the cable/satellite box

Press INPUT and select cable/satellite box from the Input list. Point the Keypad to the TV, and use the following keys:

I/⏻ (BD/EXT): turns on/off the cable/satellite box
— INPUT: changes the input of the TV
— VOL: changes the volume up (+) or down (−) of the TV (or AV Receiver)
— MUTING: silences the volume of the TV (or AV Receiver)
— GUIDE: displays the cable /satellite box's TV Guide
— DVR: displays the cable /satellite box's video menu

Notes

- You may not be able to control some HDMI devices with the Keypad.
- Available keys depend on the device you are controlling.

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## If the device is not compatible with Control for HDMI

The Control for HDMI function may not be available with some devices. In such case, you need to use an IR Blaster. The cable/satellite box is used as an example.

1. Connect an IR Blaster to the TV and place it properly on the cable/satellite box.
2. Press Fn + 1 and select [Video input] - [Configured devices].
3. Select [Add device manually], then follow the on-screen instructions.

Notes

- You may not be able to control some HDMI devices with the Keypad.
- If some keys do not work correctly, try to change the code. Press Fn + 1 and select [Video input] - [Configured devices] and select the device, and then select [IR Blaster settings] - [Code] and change the code. See Configured devices.

Tip

- The Internet TV is enhanced with DISH Network and provides further control.
  - Search for recorded contents using the Quick Search Box
  - Set recordings using the Quick Search Box results
  - DISH Cinema integration
  - Access your DVR Recordings in Queue

  For details on the models compliant with DISH specifications, refer to http://www.dish.com/googletv.

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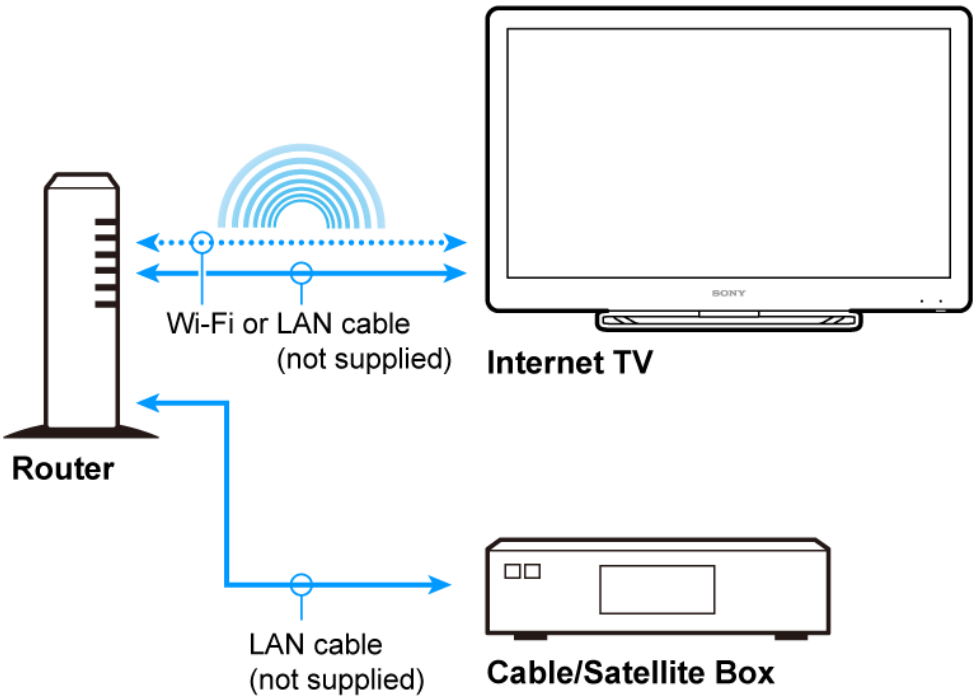
# Advanced Network Connection

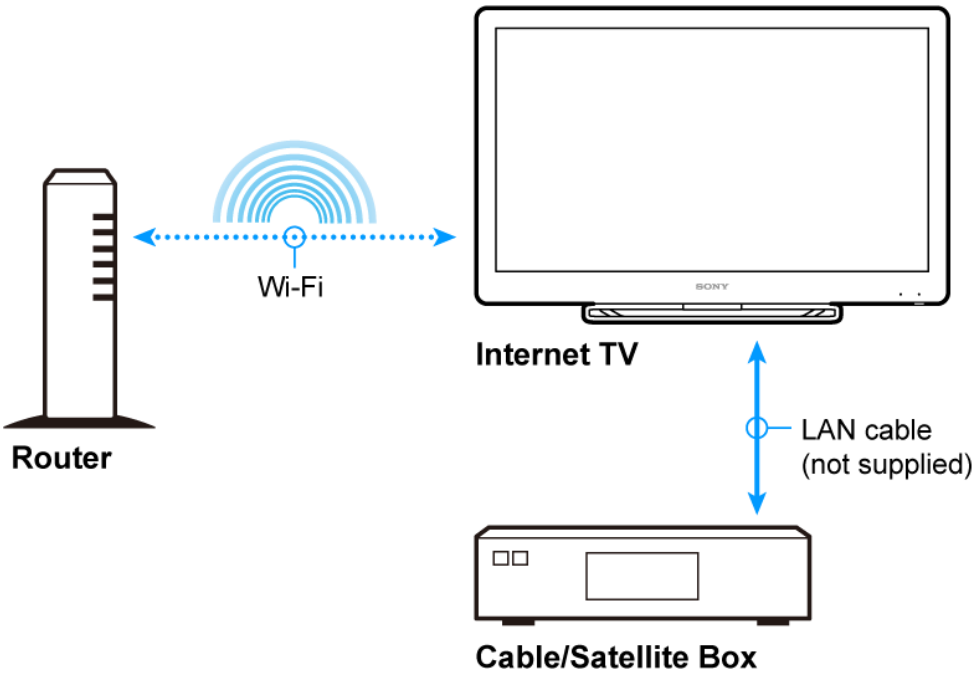
## (Ref.) Basic connection

The illustration below is the basic network connection method described in the Quick Setup Guide.




## Point to Point connection

Connect the TV and Cable/Satellite Box with a LAN cable. Cabling is simpler. Furthermore, you can use the TV to acquire program information or to search for a program via your Internet connection.




Note

- The Point to Point connection is currently only supported by DISH.

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# Network

Ethernet
Wi-Fi
Status
Home network setup

## Ethernet

Check the status of the wired network connection.

Press Fn + 1 and select [Network].

Your connection status will be displayed under [Ethernet].

Note

- When you check the box next to [Wi-Fi], a wired network connection cannot be established even if a LAN cable is connected to the Internet TV.

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## Wi-Fi

Select an available Wi-Fi network from the list of Wi-Fi networks found in your area or set up a new Wi-Fi network.

Press Fn + 1 and select [Network] - [Wi-Fi].

### Wi-Fi

Check the box next to [Wi-Fi] to use a Wi-Fi network connection.

### Add Wi-Fi network

Fill in the appropriate information and select [Save] to add a Wi-Fi network manually.

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## Status

You can check the network information, such as IP address, Ethernet MAC address, and Wi-Fi MAC address.

Press Fn + 1 and select [Network] - [Status].

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## Home network setup

Set up home network connections.

Press Fn + 1 and select [Network] - [Home network setup].

| | |
|---|---|
| **Edit device name:** | Input the desired name. |
| **Manage paired remote applications:** | Select the device you want to disconnect from the device list and select [Disconnect]. |

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# Video Input

Configured devices
HDMI settings
Built-in tuner settings
Video/Component selection

## Configured devices

You can select the device to control or to set as the tuner.

Press Fn + 1 and select [Video Input] - [Configured devices], then select the device you want to set up.

### List of configured devices

You can make settings for devices shown in this list, and control them with the Keypad. The built-in tuner and DISH Network enhanced DVR integration devices are shown in the list of available sources when removed.

| | |
|---|---|
| **HDMI1 - 4, Video/Component:** | You can assign a name to the input. Select the input you want to set. To assign a name, either select [Manage inputs] - [Label] and choose a label, or choose [Edit] to create a custom label and then input characters. |

### List of available sources

To add a device, select it from the list.

| | |
|---|---|
| **Add device manually:** | You can add a device you want to control using the IR Blaster. |

### To add/remove a device compatible with the Control for HDMI function:

When you connect a device compatible with the Control for HDMI function, the device is listed as a configured device and the name appears automatically in the list of configured devices. To remove a device compatible with the Control for HDMI function, disconnect the device. The device name disappears from the list of configured devices.

### To hide channels

Select [Built-in tuner] from the list of configured devices, then select [Edit channel list]. Check the box of the channel you want to hide.

### To select the device to launch using the TV key

Select the device to use as a tuner from the list of configured devices, then select [Make default TV device]. Only one device can be set as the default at a time.
A mark appears next to the device name in the list of configured devices. Press TV to launch the device.

Note

- [HDMI 1] - [HDMI 4], [Video/Component], and devices equipped with the Control for HDMI function cannot be set to [Make default TV device].

### To remove the device

Select the device you want to remove from the list of configured devices, then select [Disconnect device]. The built-in tuner and DISH Network enhanced DVR integration devices are shown in the list of available sources when removed.

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## HDMI settings

You can control devices equipped with the Control for HDMI function with the Keypad. Confirm that the devices are connected properly to the TV with HDMI connections.

Press Fn + 1 and select [Video input] - [HDMI settings].

| | |
|---|---|
| **Control for HDMI:** | Select [On] to link operations of the TV and the connected devices equipped with the Control for HDMI function. |
| **Device auto power off:** | Select [On] to turn off devices equipped with the Control for HDMI function when the TV is turned off. |
| **TV auto power on:** | Select [On] to turn on the TV when devices equipped with the Control for HDMI function are turned on. |
| **Device list:** | Select [Enable] to turn on the Control for HDMI function for the devices shown on the list. |

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## Built-in tuner settings

Press Fn + 1 and select [Video input] - [Built-in tuner settings].

| | |
|---|---|
| **Channels:** | **Cable/Antenna:** Select the input source of the signal.<br>**Auto program:** Automatically scans and sets all available channels based on the Cable/Antenna setting. Current channels will be cleared and new available channels will be set.<br>**Add digital channels:** Adds available digital channels based on the Cable/Antenna setting. Current channels are not cleared.<br>**Program information source:** Select [Rovi Guide] to view program data from it.<br>**Analog fine tune:** Select [Custom] to fine-tune a channel manually, use the left and right keys to fine-tune it. |
| **Signal diagnostics:** | You can view diagnostic information for the current signal. To view diagnostic information such as Frequency (kHz) and Status, select a channel currently being received via |

| | |
|---|---|
| | antenna/cable. Information is displayed for these items, but operations cannot be carried out here. |

Note

- The Errors/SNR/IF-AGC/Interleaving items are available only for Digital channels.

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## Video/Component selection

Set the input method for signals from the Y (VIDEO IN) jack.

Press Fn + 1 and select [Video input] - [Video/Component selection].

| | |
|---|---|
| **Auto:** | Automatically detects the type of video connection used. |
| **Video:** | Select when using a composite video cable. |
| **Component:** | Select when using a component video cable. |

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# AV Receiver

Set the Keypad to control the connected AV Receiver via an IR Blaster cable. Confirm that the IR Blaster is connected and placed properly.

Press Fn + 1 and select [AV Receiver].

Check the box next to [Control with IR Blaster] and select the manufacturer of your AV Receiver, then set the IR Blaster code for your AV Receiver. To verify the IR Blaster setting, select [IR Blaster test].

## When you connect your AV receiver via the HDMI jack

You can control the AV receiver without using an IR Blaster. Press Fn + 1 and select [Video input] - [HDMI settings] - [Control for HDMI] - [On].

Note

- For some AV Receivers, you cannot control them via HDMI connections. In this case, connect an IR Blaster cable and complete the settings described above.

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# Picture & Sound - Picture

Picture adjustments
Screen adjustments
Screen saver

## Picture adjustments

You can change the color, contrast, or sharpness, etc., of the displayed picture by selecting the picture mode or adjusting the detailed settings.

Press Fn + 1 and select [Picture & sound] - [Picture adjustments].

| | |
|---|---|
| **Picture mode:** | The selected mode is applied accordingly on the screen. |
| **Backlight:** | Adjust the brightness of the backlight. |
| **Detailed settings:** | The selected value is applied accordingly on the screen. |

### To prevent detailed settings from changing

Press Fn + 1 and select [TV settings] - [Picture adjustments lock] - [Lock].

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## Screen adjustments

Select the display method when the picture aspect ratio differs from the screen aspect ratio.

Press Fn + 1 and select [Picture & sound] - [Screen adjustments].

| | |
|---|---|
| **Wide mode:** | The selected mode is displayed on the animation screen. |
| **Auto wide:** | Select [On] to automatically change the screen mode to one that best fits the image. |
| **4:3 default:** | The selected mode is applied accordingly on the screen. |
| **Display area:** | When adjusting the display area manually, the [Normal], [-1], or [+1] setting is available depending on the input jack and input signal. |
| **Screen position:** | **Vertical:** Adjust the vertical position of the picture.<br>**Horizontal:** Adjust the horizontal position of the picture. |
| **Vertical size:** | Available when [Wide zoom] or [Zoom] is selected in [Wide mode]. |

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## Screen saver

Set the time at which the TV launches the screen saver when no operation is carried out.

Press Fn + 1 and select [Picture & sound] - [Screen saver].

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# Picture & Sound - Sound

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MTS audio
Alternate audio
Speakers
Sound effects
Notification sounds
Text-to-speech

## Sound adjustments

You can change the sound settings by selecting the sound mode or adjusting the detailed settings.

Press Fn + 1 and select [Picture & sound] - [Sound adjustments].

| | |
|---|---|
| **Sound mode:** | The selected mode is applied accordingly to the speakers. |
| **Detailed settings:** | The selected value is applied accordingly to the speakers. |

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## MTS audio

Set to enhance your enjoyment of stereo, bilingual and monaural programs. (Available only for analog programs)

Press Fn + 1 and select [Picture & sound] - [MTS audio].

You can also change the MTS audio by pressing Fn + 2.

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## Alternate audio

When watching a digital channel with an alternate audio stream, you can switch to other available languages.

Press Fn + 1 and select [Picture & sound] - [Alternate audio].

You can also change the language by pressing Fn + 2.

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## Speakers

Select the speakers to be used.

Press Fn + 1 and select [Picture & sound] - [Speakers].

When selecting [Audio system], the TV speakers are disabled.

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## Sound effects

Press Fn + 1 and select [Picture & sound] - [Sound effects].

Check the box to enable sound effects.

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## Notification sounds

Press Fn + 1 and select [Picture & sound] - [Notification sounds].

Select [Silent] if you want to silence the notification sounds.

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## Text-to-speech

Press Fn + 1 and select [Picture & sound] - [Text-to-speech].

| | |
|---|---|
| **Listen to an example:** | Play a demo of speech synthesis. |
| **Always use my settings:** | Check the box to ensure that your customized settings will always override application settings. |
| **Install voice data:** | Install external voice data for speech synthesis. |
| **Speech rate:** | Change the voice playback speed. |
| **Language:** | Select the language for this function. |

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# TV Settings

Closed Captions (CC)
Picture adjustments lock
Timer
Eco
Console settings

## Closed Captions (CC)

Set the Closed Captions display setting.

Press Fn + 1 and select [TV settings] - [Closed Captions (CC)].

| | |
|---|---|
| **CC display:** | When [On when muting] is selected and the TV is silenced, closed captions are displayed automatically. |
| **Analog CC/Digital CC:** | Select [CC1] - [CC4] to display a printed version of the dialog or the sound effects of a program (should be set to CC1 for most programs). Select [Text1] - [Text4] to display network/station information presented covering either half or the whole screen (if available). Select a language to display a specific language for captioning (for Digital CC only). |
| **Display options:** | When you change the text size in [Text], a sample image is displayed. Select [Custom] in [Text] to change other settings, such as size, style, and the color of characters. |

Notes

- The [Character opacity] selection applies to the [Character color] option with choices of [Solid] and [Translucent].
- The [Edge color] selection applies to the [Edge type] option with choices from 8 colors.
- The [Background opacity] selection applies to the [Background color] option with choices of [Solid] and [Translucent].

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## Picture adjustments lock

You can prevent the detailed settings in Picture adjustments from changing.

Press Fn + 1 and select [TV settings] - [Picture adjustments lock] - [Lock].

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## Timer

Set the timer to turn the power on or off.

Press Fn + 1 and select [TV settings] - [Timer].

| | |
|---|---|
| **Add timer:** | Set a new timer to turn the power on. To modify the timer setting, select the timer you want to modify and change its settings. To delete a timer, select [Delete this timer]. |
| **Sleep timer:** | Set the duration of time until the power is turned off automatically. |

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## Eco

Press Fn + 1 and select [TV settings] - [Eco].

| | |
|---|---|
| **Power saving:** | Set to [Picture off] to minimize the power consumption. This setting is canceled when a key is pressed, an application is launched, or a dialog is displayed. |
| **Quick start:** | Reduces the time required for startup, but power consumption becomes higher. |
| **Idle TV standby:** | Set the time at which the TV goes to standby mode without any operations (e.g. remote control interaction). |
| **Auto shut-off:** | The TV turns off when no signal is detected for 15 minutes. |
| **Light sensor:** | Optimizes the screen's brightness to suit the light level of the room. |

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## Console settings

Press Fn + 1 and select [TV settings] - [Console settings].

| | |
|---|---|
| **Front panel illumination:** | Lights up the Sony logo on the front of the TV. |

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# Search

Searchable items
Clear shortcuts

## Searchable items

You can choose to customize what items appear when you conduct a search, such as Web, Apps, Podcasts, and TV & Movies.

Press Fn + 1 and select [Search] - [Searchable items].

Check the box next to the items you want to add.

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## Clear shortcuts

You can clear your search shortcuts.

Press Fn + 1 and select [Search] - [Clear shortcuts].

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# Applications

Unknown sources
Manage applications
Running services
Development

## Unknown sources

Press Fn + 1 and select [Applications] - [Unknown sources].

Check the box to allow installation of non-Market applications.

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## Manage applications

Check information on applications or remove unnecessary applications.

Press Fn + 1 and select [Applications] - [Manage applications].

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## Running services

View and control what's currently running on your Google TV.

Press Fn + 1 and select [Applications] - [Running services].

Select one of the services to confirm whether or not to stop the service.

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## Development

Set options for application development.

Press Fn + 1 and select [Applications] - [Development].

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# Input Device

Manage IP remotes
Chrome to TV
Pointer speed
Current keyboard
Configure input method

## Manage IP remotes

Allows you to connect new IP remotes.

Press Fn + 1 and select [Input device] - [Manage IP remotes].

Check the box to accept pairing a remote.

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## Chrome to TV

Allows you to share information between your computer and your Internet TV.

Press Fn + 1 and select [Input device] - [Chrome to TV].

Follow the on-screen instructions.

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## Pointer speed

Press Fn + 1 and select [Input device] - [Pointer speed].

Move the slider to the right side when you want to move the pointer faster.

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## Current keyboard

Set up a third-party keyboard currently used.

Press Fn + 1 and select [Input device] - [Current keyboard].

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## Configure input method

Set the input method of the keyboard currently used.

Press Fn + 1 and select [Input device] - [Configure input method].

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# Accounts & Sync

Background data
Auto-sync
Manage accounts

## Background data

Press Fn + 1 and select [Accounts & sync] - [Background data].

Check the box to allow applications to sync, send, and receive data at any time.

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## Auto-sync

Synchronizes your account information automatically when you change information other device.

Press Fn + 1 and select [Accounts & sync] - [Auto-sync].

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## Manage accounts

You can add or remove accounts.

Press Fn + 1 and select [Accounts & sync].

If you have an account, it is displayed on the Manage accounts list. To add an account, select [Add account]. To remove an account, select the account and select [Remove account].

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# Privacy & Safety

Reporting
Factory data reset
Video history
Clear video history
Safe search
Application lock
Parental lock
Back up my data
Backup account
Automatic restore

## Reporting

Press Fn + 1 and select [Privacy & safety] - [Reporting].

Check the box to send usage statistics and crash reports.

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## Factory data reset

Resets all the settings to the factory defaults.

Press Fn + 1 and select [Privacy & safety] - [Factory data reset].

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## Video history

Press Fn + 1 and select [Privacy & safety] - [Video history].

Check the box to store the history of videos you have watched, such items as TV channels.

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## Clear video history

Clear the history of videos you have watched, such items as TV channels.

Press Fn + 1 and select [Privacy & safety] - [Clear video history].

Return to Top

## Safe search

Press Fn + 1 and select [Privacy & safety] - [Safe search].

Select [Moderate filtering] to block access to adult-themed content when conducting searches.

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## Application lock

Press Fn + 1 and select [Privacy & safety] - [Application lock].

Check the box next to [Lock Google Chrome & Market] to require PIN when using Chrome. Select [Change PIN] to change the password.

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## Parental lock

Press Fn + 1 and select [Privacy & safety] - [Parental lock].

| | |
|---|---|
| **Change password:** | You need to enter the password before changing it. |
| **Rating:** | Set a restriction on TV program and playback by selecting a rating category. Select [Custom] to set the rating separately for movie and for TV. |
| **Downloadable U.S. rating:** | Check the box to [Block by rating] to use the downloadable ratings in the PSIP Region Rating Table for Parental Lock function. Leaving the checkbox unmarked simply turns off restrictions without changing your setting. Select [Customize rating limits] to set values to allow or block playback by rating as defined by Region Rating Table. |
| **Unrated:** | Select [Block] to block all unrated programs. |
| **Channel block:** | Select channels to be blocked then select [Blocked]. Hidden channels are also listed and selectable. |
| **Downloadable U.S. rating information:** | Displays detailed information on the Downloadable U.S. rating. |

Tip

- If you forget the parental lock password, enter 4357 for the password. (Password 4357 is always accepted.)

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## Back up my data

Press Fn + 1 and select [Privacy & safety] - [Back up my data].

Check the box if you want to back up application data and other settings for your Internet TV to the Google servers.

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## Backup account

Restore your account information using the backup.

Press Fn + 1 and select [Privacy & safety] - [Backup account].

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## Automatic restore

Press Fn + 1 and select [Privacy & safety] - [Automatic restore].

Check the box to restore backed up settings and other data automatically when you reinstall an application.

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# Storage

Provides information on the status of the internal memory and any connected storage devices.

Press Fn + 1 and select [Storage].

When connecting USB storage devices, you can unmount them.

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# Date, Time & Location

Press Fn + 1 and select [Date, time & location].

| | |
|---|---|
| **Automatic:** | Remove the check from the box to set the date and time manually. |
| **Set date:** | Set the Month/Day/Year. |
| **Select time zone:** | Select from the time zone list. |
| **Set time:** | Set the Hour/Minute. |
| **Use 24-hour format:** | When you remove the check from the box, the time will be displayed in 12-hour format. |
| **Select date format:** | Select the date order from the format list. |
| **Set location:** | Set your location by entering your ZIP code. |

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# Accessibility

Press Fn + 1 and select [Accessibility].

| | |
|---|---|
| **Enable accessibility services:** | Check the box to enable accessibility to set up TalkBack. |
| **TalkBack:** | Check the box to provide audible explanations for Google TV features. |

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# About

Provides system updates, tutorials, information on the status of the system, and on how to contact Sony.

Press Fn + 1 and select [About].

| | |
|---|---|
| **System tutorial:** | Introduces the key feature of your Internet TV. |
| **Contact Sony:** | Displays Information on how to contact Sony. Selecting [Website support] allows you to access the online support site directly. |

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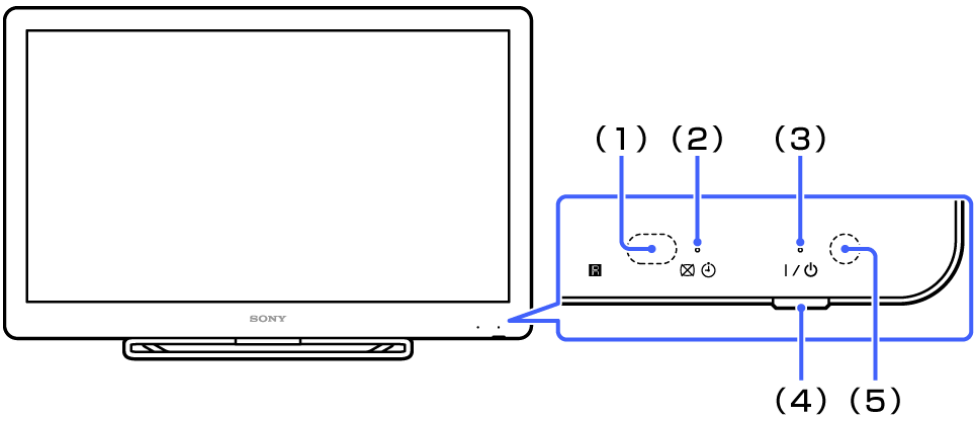
# NSX-32GT1/NSX-40GT1/NSX-46GT1

Front
Rear
Left

## Front




**(1)** Remote control sensor

Receives signals from the remote control. Do not put anything near the sensor, doing so may affect its function.

**(2)** ⊠ ⏲ (PIC OFF/TIMER) indicator

| | |
|---|---|
| **Green:** | Picture off. |
| **Orange:** | Timer |
| **Orange (on and/or blinking):** | Software upgrade in process |

**(3)** I / ⏻ (ON/STNDBY) indicator

| | |
|---|---|
| **Red:** | Standby |
| **Green:** | Power on |

**(4)** I / ⏻ (ON/STNDBY) button

Press to turn the TV on. The TV goes to standby mode when you press this button to turn off the TV.

**(5)** Ambient sensor

Senses the room light level and adjusts the screen brightness accordingly. Do not put anything near the sensor, doing so may affect its function.
See Eco.

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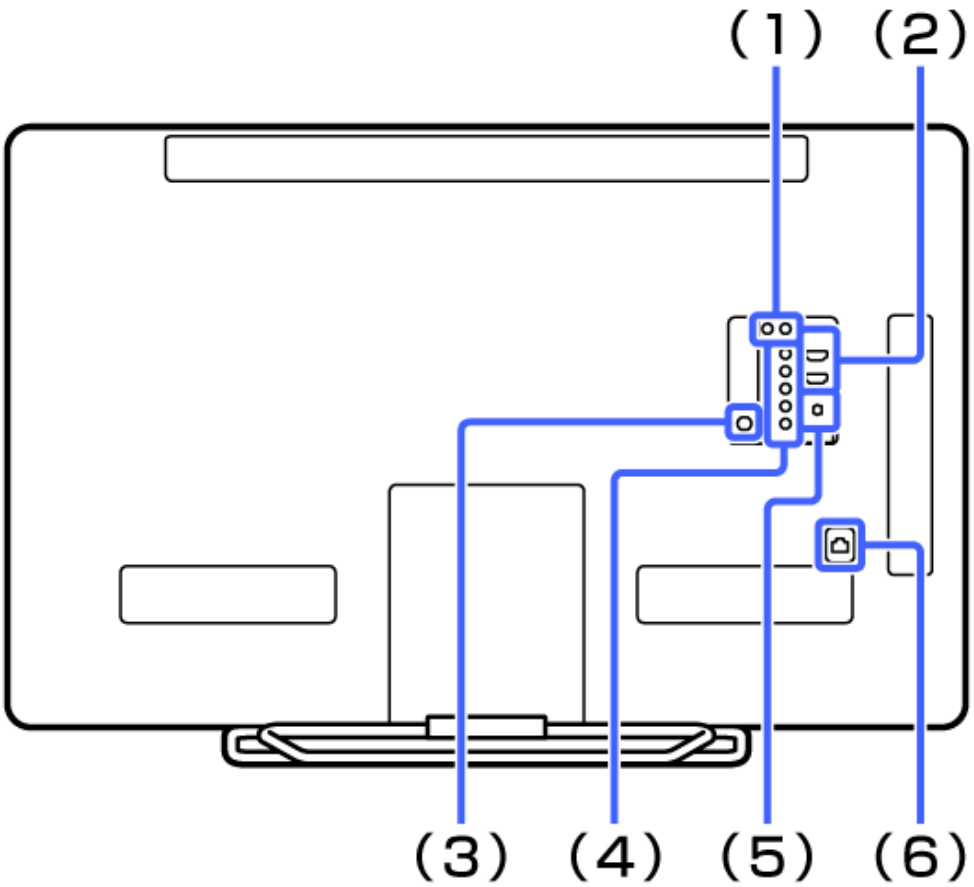
## Rear




**(1)** IR BLASTER jack
Connect an IR Blaster cable to control other devices.
See Preparing to Control an AV Receiver.

**(2)** HDMI IN 1/4 jacks
Connect an HDMI cable.
HDMI (High-Definition Multimedia Interface) provides an uncompressed all-digital audio/video interface between the TV and any HDMI-equipment.
See HDMI settings.

Tip

- The TV supports ARC (Audio Return Channel). ARC enables the TV to send audio via HDMI.

**(3)** CABLE/ANTENNA jack
Connect a coaxial cable for your cable service interconnection or a broadcast antenna.

**(4)** VIDEO IN, COMPONENT IN, R-AUDIO-L jacks
Connect a composite video cable or component video cable.
For a composite connection, connect a cable to VIDEO IN (Y) for video signals and to R-AUDIO-L for audio signals.
For a component connection, connect a cable to Y, PB, and PR for video signals and to R-AUDIO-L for audio signals.
See Video/Component selection.

**(5)** DIGITAL AUDIO OUT (OPTICAL) jack
Connect a digital optical cable.

When connecting digital audio equipment such as AV Receiver that is PCM/Dolby Digital compatible to the TV, you can enjoy high quality sound.

**(6)** LAN terminal

Connect a network cable to use the wired network.

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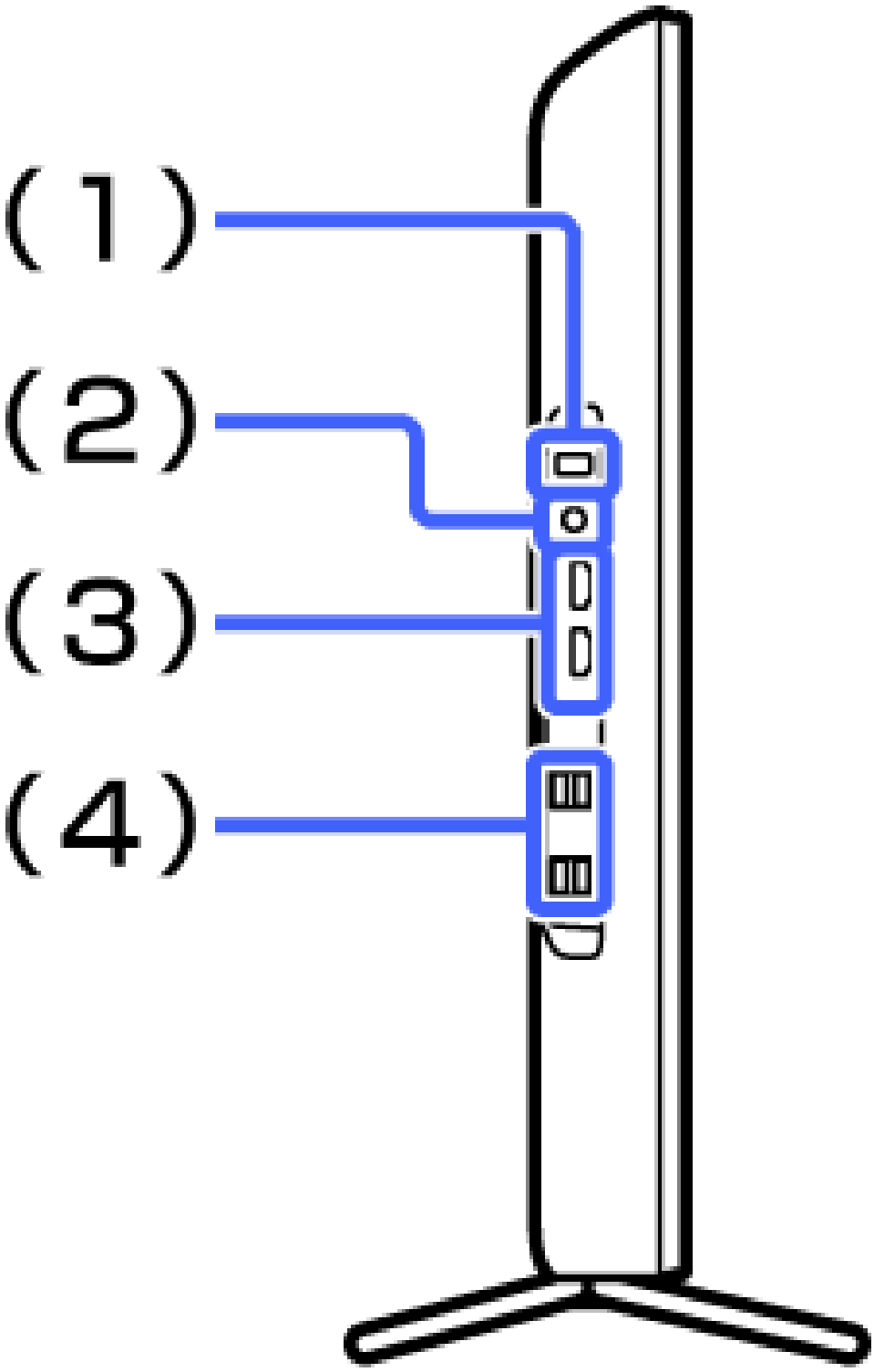
## Left



**(1)** CONNECT button

Press for two seconds or more to pair with the Keypad.

**(2)** (Headphones) jack

Connect headphones.

**(3)** HDMI IN 2/3 jacks

Connect an HDMI cable.
HDMI (High-Definition Multimedia Interface) provides an uncompressed all-digital audio/video interface between the TV and any HDMI-equipment.
See HDMI settings.

Tip

- The TV supports ARC (Audio Return Channel). ARC enables the TV to either send or receive audio via HDMI.

**(4)** (USB) jack

Connect a USB device.

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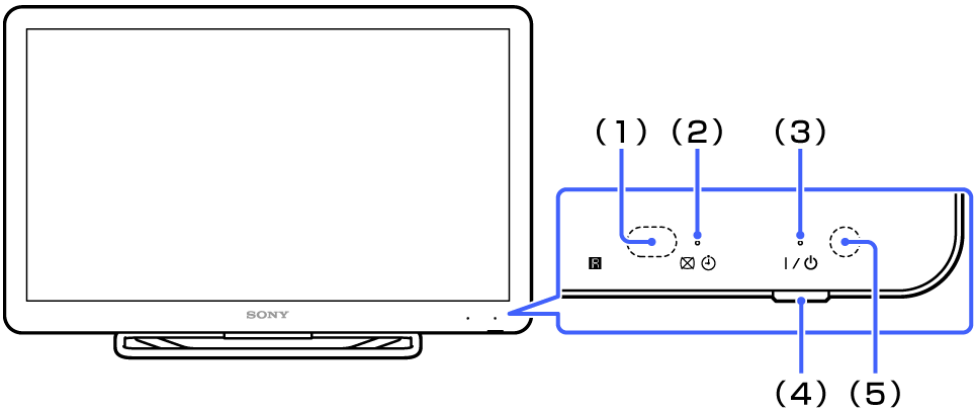
# NSX-24GT1

Front
Rear
Left
Right

## Front

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Senses the room light level and adjusts the screen brightness accordingly. Do not put anything near the sensor, doing so may affect its function.
See Eco.

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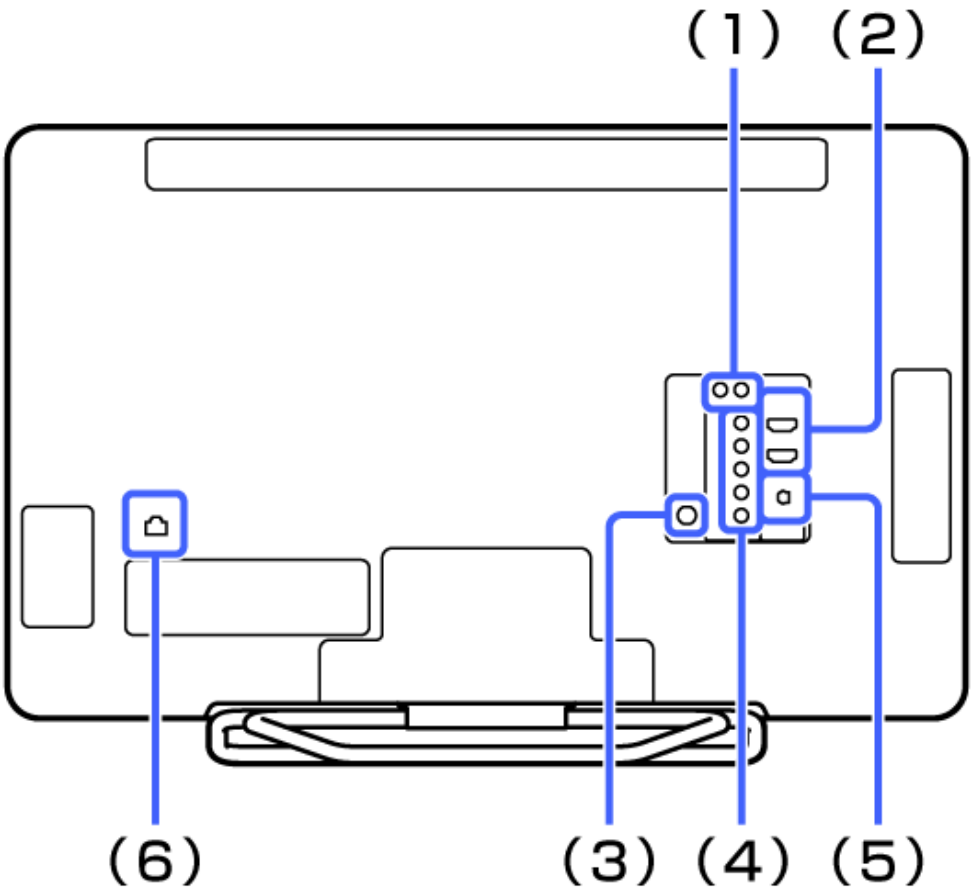
## Rear




**(1)** IR BLASTER jack

Connect an IR Blaster cable to control other devices.
See Preparing to Control an AV Receiver.

**(2)** HDMI IN 1/4 jacks

Connect an HDMI cable.
HDMI (High-Definition Multimedia Interface) provides an uncompressed all-digital audio/video interface between the TV and any HDMI-equipment.
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**(6)** LAN terminal
Connect a network cable to use the wired network.

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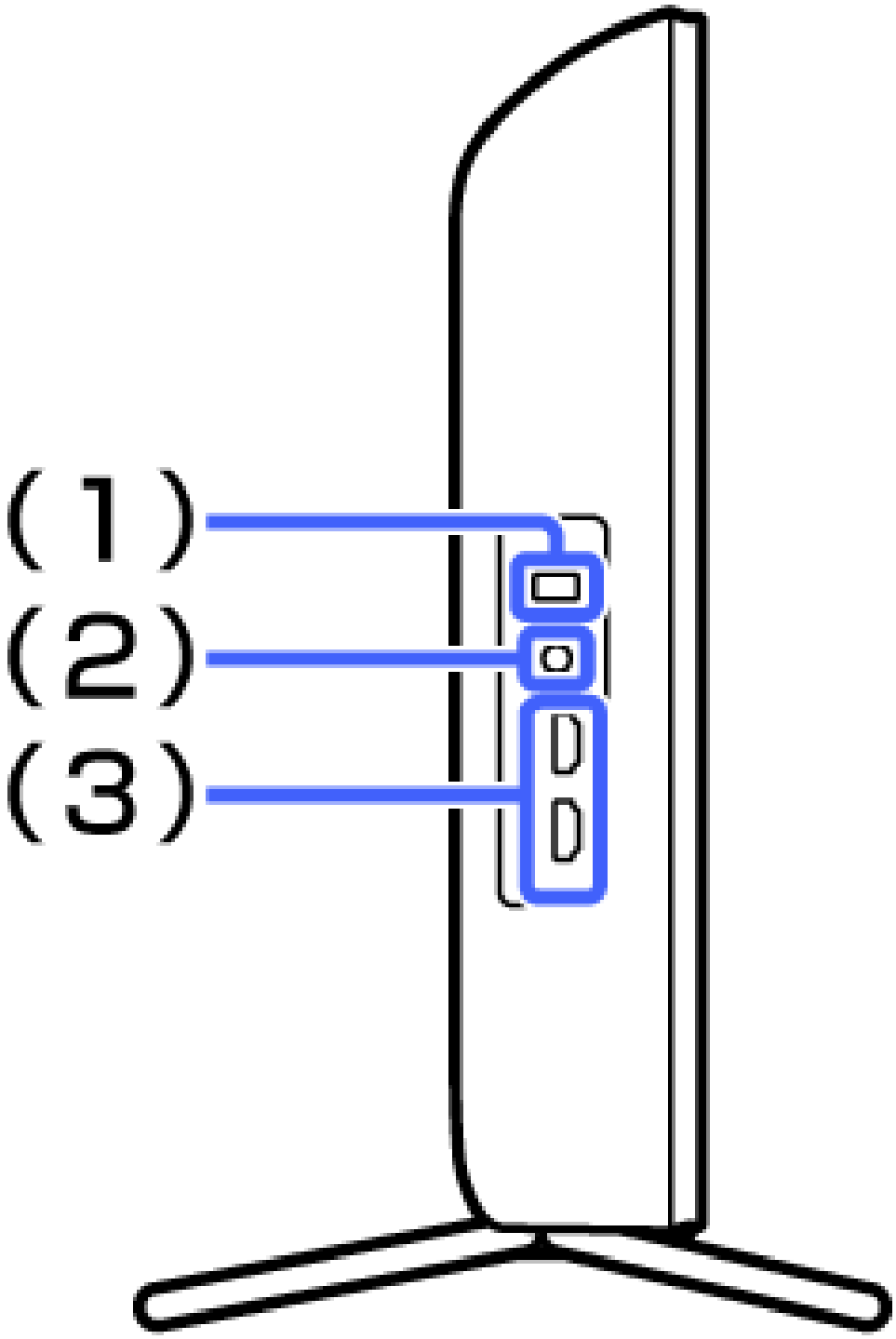

**(1)** CONNECT button
Press for two seconds or more to pair with the Keypad.

**(2)** (Headphones) jack
Connect headphones.

**(3)** HDMI IN 2/3 jacks
Connect an HDMI cable.
HDMI (High-Definition Multimedia Interface) provides an uncompressed all-digital audio/video interface between the TV and any HDMI-equipment.
See HDMI settings.

Tip

- The TV supports ARC (Audio Return Channel). ARC enables the TV to either send or receive audio via HDMI.

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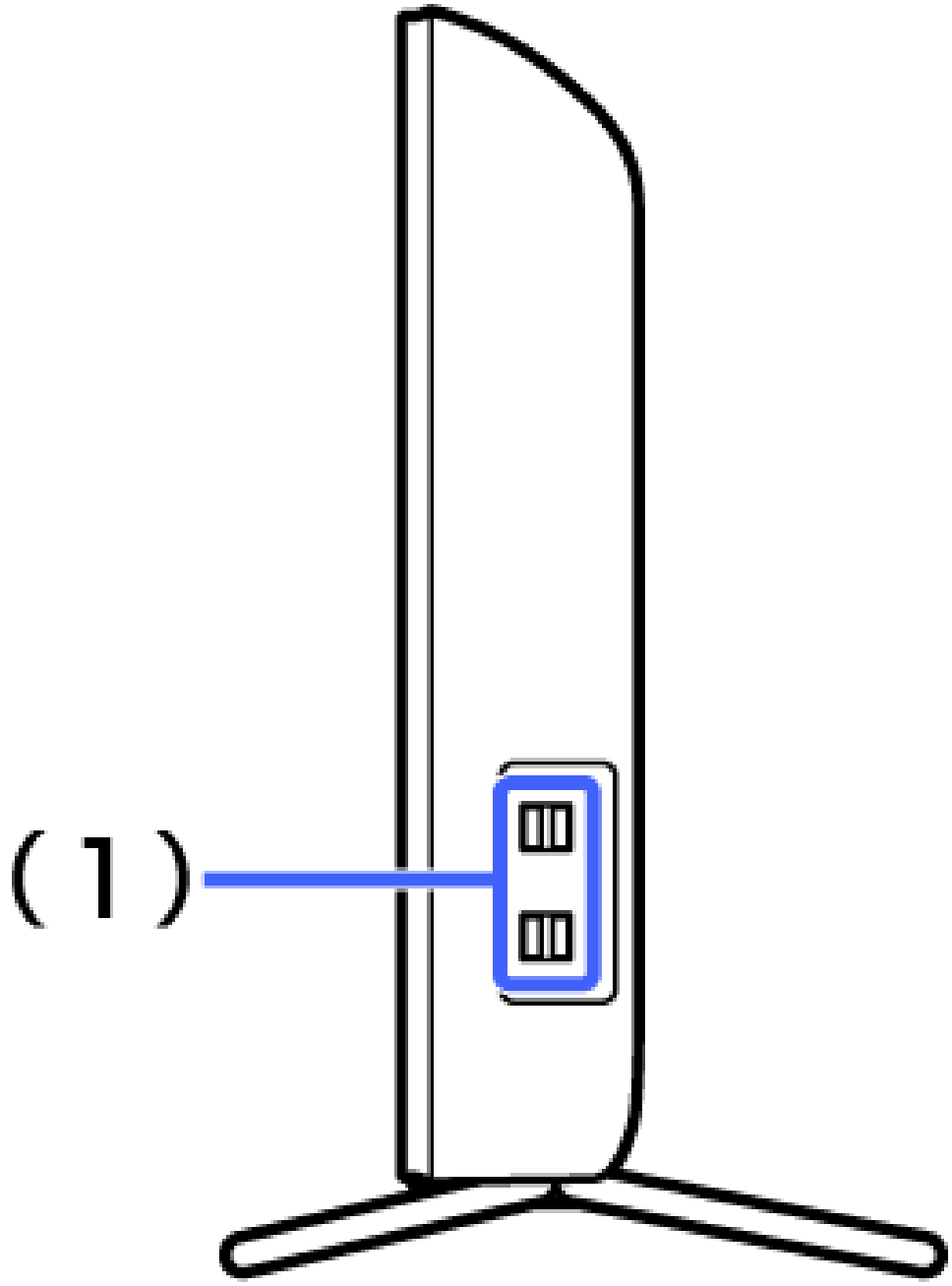


**(1)** (USB) jack
Connect a USB device.

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The world's first HDTV powered by Google TV.

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# Notice regarding disposal

For NSX-24GT1 customers only.
Lamp in this product contains mercury. Disposal of these materials may be regulated due to environmental considerations. For disposal or recycling information, please contact your local authorities or the Telecommunications Industry Association(www.eiae.org).

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# How to install the Media Remote

"Media Remote(BD Remote)" is an App designed to let you take control of some of Sony's latest Blu-ray/TV/AV Receiver Products.

**To install the Media Remote into your device**

Go to Android Market

Go to iTunes App Store

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